

**Ohio Northern**  
\*\*\* **University** \*\*\*  
**BULLETIN**

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**ADA, OHIO**  
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ALBERT EDWIN SMITH, D. D., PH. D.,  
President.



# OHIO NORTHERN UNIVERSITY BULLETIN

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Vol. IV., New Series.

ADA, OHIO, JULY, 1910

No. 2

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## Announcements.

This issue of the Bulletin contains the courses of study for 1910-11, certain information general and specific regarding tuition-rates, cost of board and rooming, conditions of entrance, calendar, roster of names for 1909-10 and other matters of interest to former as well as prospective students.

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Attention is called to readjustments in the courses of study in the several colleges, especially in the College of Liberal Arts.

Those interested will note that the "entrance requirements" and the "credit hours" necessary for a scholastic degree are the equivalent of those in the best colleges of the country.

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The large attendance in the summer term proves the wisdom of the change in the calendar, announced in preceding Catalogue Bulletins. Teachers, after closing their schools in the early summer, are enabled to enter the University at the beginning instead of the middle of the term, as heretofore, and to devote nine consecutive weeks to such study and investigation as they need or desire, and leave in time to attend their respective county and city institutes. This opportunity is welcomed by ambitious teachers who wish to spend a part of their summer vacation in further qualifying themselves for better positions or State examinations.

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The past year has been one of marked material improvement in the University. For many years the heating facilities of the University were inadequate, and this has led, eventually, to the installing of a new steam heating plant, costing some eight thousand dollars. This plant is placed in the basement of the Administration Building and consists of huge tubular boilers, made by the American Radiator Company, with capacity sufficient to warm all the buildings. The mains leading to the



different buildings are laid across the campus in trenches nine to ten feet deep, and encased in solid concrete, so that the greatest possible economy in transmission is secured.

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In connection with the heating system, a new electric lighting plant has been installed. This consists of a twenty-horse-power gasoline engine with dynamo and switch-board, furnishing light to all the buildings, and power for the pipe organ. This plant becomes also a valuable part of the electrical laboratory, affording large facilities for the engineering students to acquire practical experience in their work. The cost of this plant was materially decreased by the fact of its having been installed throughout by the Electrical Engineering students of the University.

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The College of Music has this year come into the possession of a new home. The Wesleyan Church, situated on a corner lot adjoining the campus, was bought and remodeled into a Conservatory of Music building. The lower story is divided into splendid studios, choral room and waiting room. While the second story is devoted to practice rooms, all beautifully frescoed and warmed and lighted by the general system.

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The third great improvement of the year was the removal of the Pharmacy Building from its old situation on the campus to the northwest corner of the grounds, and its thorough remodeling into one of the most imposing buildings of the entire school. A finely finished basement was built under it, affording room for two large well-lighted laboratories; the second story has been transformed into splendid recitation rooms and offices, so that in this building the University has a noteworthy addition to its working outfit.

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A new drawing room has been added to the equipment for Engineering, an adding machine and five typewriting machines to the Commercial College, a new grand piano to the College of Music and innumerable other appliances and improvements.

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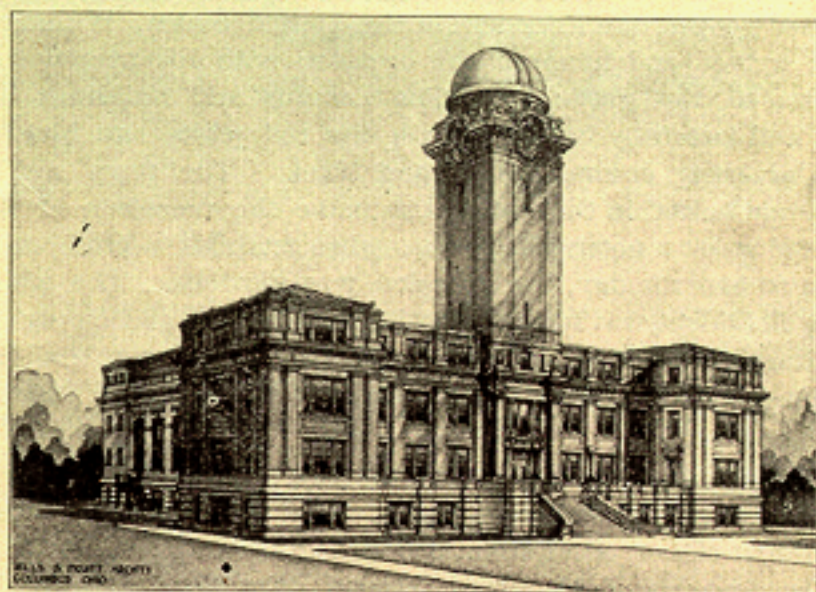
One of the most marked improvements is the paving of Gilbert Street which lies west of the campus. The laying of about five hundred feet of new cement walks adjacent to that newly



paved street, and the grading of the grounds around the Music Building have added much to the beauty and attractiveness of the University grounds.

All of these improvements exhibit in part only the fixed policy of the administration to make the environment of the students contribute to their education. Comfortable quarters in which to work and study, with first-class equipment enabling the student to do his best—all form a part of the educational process.

During the year to come, it is confidently expected that the new Lehr Memorial will pass from the state of conception into real existence. The funds for its construction are being so-



THE PROPOSED H. S. LEHR MEMORIAL

licit, and the purpose is to push the enterprise with all endeavor, so that the corner-stone may be laid by the next commencement season, if possible. It is sincerely desired that every friend of the University, and especially every old student who loves the name of the school and reveres its esteemed founder, will consider it his privilege and opportunity to contribute something to this noble enterprise.




Commencement Week of 1910 will long be remembered as the most interesting and eventful in all the history of the University. From Sunday morning when the stately procession of faculty and graduates, capped and gowned, headed by the venerable president emeritus, Dr. Henry S. Lehr and President Dr. Albert Edwin Smith, entered the chapel to the strains of a solemn march, until Friday evening when the beauty and chivalry from near and far bade goodnight at the Military Reception, the occasion was one glad festivity.

The baccalaureate day, the oratorical contest, concerts, class day exercises, athletic days, military contest, class reunions and banquets, all had their unique features of interest and pleasure, and were fully as excellent and in some respects superior to former similar occasions, but the acme was reached on Friday when amid the acclaim of fifteen thousand and more assembled people, the President of the United States, William H. Taft, arrived and honored the occasion with his presence and address to the graduates. The campus and buildings were gaily and tastefully bedecked with the red white and blue and the University colors, orange and black. The town and the gown had united in their efforts to make the reception of their honored guest a noteworthy one, and so without a hitch or incident to mar the day, the occasion was glorious. The address of the President was full of practical suggestion and surely will ever linger in the memory of the graduates, who received their diplomas from the hands of the President of the United States.

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The winners of prizes during the year are as follows: The Lehr prizes for oratory, first, Mr. J. P. Alford, Franklin; second, Miss Anna Miller, Adelphean. The Kuhn (Franklin) prize for oratory, first, Mr. J. P. Alford; second, Miss Ethel Baird. The Pearl M. Stahl (Philomathean) prize for oratory, first, Mr. C. F. Kurtz; second, Miss Bernice Adams. The Alumni (Adelphean) prize for oratory, first, Mr. Fred C. Dissley; second, Miss Anna Miller. The Smith prize for spelling, first, Miss Alice Murphy; second, Miss Emma Smith.

 N. B.—For catalogues and other information, address the Corresponding Secretary, Prof. Charles B. Wright, Ada, O.



## CALENDAR FOR 1910-1911.

## Term Periods.

- September 6, 1910, Tuesday—Fall term begins 8 A. M.
- October 11, 1910, Tuesday—College of Pharmacy opens.
- November 11, 1910, Friday—Fall Term ends.
- November 15, 1910, Tuesday—Winter Term begins.
- January 20, 1911, Friday—Winter Term ends.
- January 24, 1911, Tuesday—Middle Term begins.
- March 31, 1911, Friday—Middle Term ends.
- April 4, 1911, Tuesday—Spring Term begins.
- May 13, 1911, Saturday—Junior-Senior Day.
- June 9, 1911, Friday—Spring Term ends.
- June 13, 1911, Tuesday—Summer Term begins.
- August 11, 1911, Friday—Summer Term ends.

## SUMMER RECESS

September 5, 1911, Tuesday—Fall Term of 1911-1912 begins, 8:00 A. M.

## Commencement Week.

- June 4, 1911, Sunday, (10:00 A. M.). . . . Baccalaureate Sermon.
- June 5, 1911, Monday, (9:00 A. M.) Graduation Entertainment of College of Expression.
- June 5, 1911, Monday, (1:30 P. M.) . . . . .Field Day Sports.
- June 5, 1911, Monday, (8:00 P. M.) . . . . Lehr Oratorical Contest.
- June 6, 1911, Tuesday, (9:00 A. M.) . . . . .Meeting of the Board Trustees.
- June 6, 1911, Tuesday, (2:00 P. M.) . . . . .Athletic Sports.
- June 6, 1911, Tuesday, (8:00 P. M.) . . Oratorio by Choral Society.
- June 7, 1911, Wednesday, (9:00 A. M.) . . . . .Military Contest
- June 7, 1911, Wednesday, (3:00 P. M.) . . . . Society Reunions and Receptions.
- June 7, 1911, Wednesday (8:00 P. M.) . . . Graduation Entertainment of College of Music.
- June 8, 1911, Thursday. (9:00 A. M.) . . . . .Forty-first Annual Commencement.
- June 8, 1911, Thursday, (8:00 P. M.) . . . Military Companies' Receptions.



## BOARD OF TRUSTEES.

Elected by the Conference.

Term Expires		Residence.
1910.	REV. E. D. WHITLOCK, D. D. - - -	Fostoria
1910.	MR. H. E. DICKINSON - - -	Mt. Victory
1910.	REV. DAVID BOWERS, D. D. - - -	Lima
1911.	HON. S. A. HOSKINS, A. M. - - -	Wapakoneta
1911.	REV. W. G. WATERS, D. D. - - -	Marysville
1911.	MR. W. W. EDWARDS - - -	Leipsic
1912.	HON. J. B. PUMPHREY - - -	Kenton
1912.	REV. D. H. BAILEY, D. D. - - -	Marion
1912.	MR. S. A. BOWMAN - - -	Celina
1913.	REV. EARL S. KELLER - - -	Wapakoneta
1913.	REV. FRANK E. HIGBIE - - -	Cygnets
1913.	HON. J. H. CLARK - - -	Marion
1914.	HON. E. S. NEELEY - - -	Alger
1914.	REV. W. W. LANCE, D. D. - - -	Defiance
1914.	MR. E. J. CAREY - - -	Kenton

## Elected by the Alumni.

1911.	HON. R. M. WANAMAKER - - -	Akron
1912.	MR. N. W. TOBIAS - - -	Ada
1913.	HON. J. W. ZELLER - - -	Columbus
1914.	HON. I. N. KUHN - - -	Waynesburg, Pa.
1915.	REV. J. WESLEY HILL, D. D., LL. D.,	New York City

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**CONFERENCE VISITORS FOR 1909-10.**

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## OHIO NORTHERN UNIVERSITY.

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Henry Whitworth, Secretary.  
R. H. Schoonover, Librarian.  
Emma O. Hufford, Registrar.

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### **Military.**

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### **Standing and Graduation.**

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### **Summer School.**

Professors Frank, Wright, Willis, Maglott.





WILLIAM HOWARD TAFT, President United States.  
Commencement Orator, 1910.



## THE OHIO NORTHERN UNIVERSITY.

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### Location.

The Ohio Northern University is located at Ada, in North-western Ohio, on the Pennsylvania Railroad (Pittsburg, Fort Wayne & Chicago Branch). It is midway between the intersection of the Cincinnati, Hamilton & Dayton, the Detroit, Toledo & Ironton, and the Lake Erie & Western Railways at Lima, and the Big Four at Forest. Connection is made with the Hocking Valley at Upper Sandusky, thirty miles east, and with the Ohio Central lines at Dunkirk, ten miles east.

Ada is an attractive little city lying on the great watershed separating the waters tributary to the Ohio and the Mississippi from those flowing into the Great Lakes. With an elevation above sea-level as high as any in the State, a healthful climate, sanitary conditions well guarded, and an abundant supply of excellent water from drilled wells, the town is unsurpassed in healthfulness and freedom from epidemics. The numerous forest trees lining avenues and adorning premises make it a delightful retreat during the warm summer months. The paved streets, hot and cold water plants, electric light works and constant building and renovating in residence and business blocks evidence the wide-awakeness of the citizens in the matter of public utilities and city improvements. Last season additional avenues and streets were paved, which included all of the city's main thoroughfares. Exclusive of students, the population is about three thousand. The people are moral, free from aristocratic display and demeanor, large-hearted, and especially kind and courteous to students, taking pains to make their stay at the University pleasant and home-like. For several years the saloons have been banished from Ada, and two years ago the entire county voted "dry" under the Rose Local Option Law.

### Historical Sketch.

In the later "sixties," half a century ago, Henry S. Lehr, a young pedagogue from eastern Ohio, found his way westward into the village of Ada, at that time known as Johnstown. He obtained employment as a teacher in the Union Schools and sub-



sequently taught a series of terms of "select" school. His spirit, enthusiasm and helpfulness, together with a keen appreciation of the practical in subjects and methods, attracted many "foreign" students and would-be teachers to his school. The dream of founding a great normal school in which plainness, practicalness and inexpensiveness were to be the main characteristics, became a master passion directing his thought, shaping his plans, and, at last, taking definite and actual form. In the year 1870-71 the first building, a large three-story brick, was erected and on August 14, 1871, the Northwestern Ohio Normal School was formally opened "for the instruction and training of teachers in the science of education, the art of teaching and the best methods of governing schools."

In the fall of 1875 the Northwestern Normal School located at Fostoria, Ohio, was consolidated and incorporated with the Northwestern Ohio Normal School at Ada.

From the very start a limited number of special subjects were offered in the courses of instruction, but from time to time, as patronage demanded, department schools were organized as follows: Music, Commercial, Telegraphic, Fine Art, Stenography, Engineering, Military, Law, Pharmacy.

In 1885 the name was changed from Northwestern Ohio Normal School to Ohio Normal University, the plan and management remaining the same, and normal principles and methods marking the administration.

From its inception the school was under private management and control until, in September 1898, the owners sold to the Central Ohio Conference of the Methodist Episcopal Church the real estate and personal property belonging to the University; its founder hoping thus to place this increasingly popular institution on a solid foundation and to insure its permanency by "guaranteeing to it the support and cooperation of a progressive, wealthy and influential religious body."

Under the new administration, as fast as existing contracts permitted, came a change in the relations of the several departmental schools with the main school. These, heretofore semi-independent, were now reorganized under one management and control, and the respective deans placed on salary instead of commission. At the same time instruction in the main school was made departmental, with the head-teacher in each department director thereof.



In 1904-5 the institution was rechartered under the name Ohio Northern University.

### Object.

The Ohio Northern University welcomes to her privileges the worthy of all classes, but extends a special invitation to self-dependent young men and women eager to secure the benefits of a liberal education. Her leading aim is to furnish thorough, practical instruction in all the departments at a minimum expense to the student. The entire regime has in view the creation and maintenance of an atmosphere inspirational and congenial to plucky young people of both sexes whose lot in life has taught them the worth of hard labor and close economy.

### Uniqueness.

In many features the Ohio Northern University is unique. Attention is respectfully called to a few characteristics.

The school year consists of forty-nine weeks, divided into five terms. Each instructor teaches six classes a day, five days a week. Instead of measuring time and work by Freshman, Sophomore, Junior and Senior years of three terms each, credit is based on number of hours of class work done in each required or elected subject.

Students enter at any time (except in the college of Pharmacy), find their place where their certificates or examination credits rank them, pursue their studies so long as they wish, or their means allow, and are duly credited on the record-books with the work done. Subsequently, as suits their convenience, they resume their studies where left off, and on satisfactorily completing the required number of hours in the selected course, receive the appropriate degree.

Jeans and broadcloth have equal chance. The atmosphere is thoroughly democratic, a leading characteristic being the marked sociability of the students, a majority of whom are young people relying mainly on their own pluck and push.

With no endowment fund to lean on, their sole financial support the tuition-money, from which must be paid all expenses, the teachers feel that success and pay depend on energetic, earnest, systematic labor.

The motto is not "How little can be done in the longest time," but "How much can be well done in the shortest time."



### Material Equipment.

The University Campus lies in a residence portion of the city, a few blocks south of the Pennsylvania Station. Here "Old Glory" may be seen, the year round, waving from the summit of a hundred-foot steel staff a welcome to the chance visitor or prospective student. On this Campus stands the old Normal Hall, endeared by many a cherished memory of the early struggling days of the school; the Administration building erected by the citizens of Ada and leased to the original proprietors of this school, but a few years ago deeded to the present owners; Dukes Memorial located on the south side of the Campus, devoted to science, engineering and law; Brown Auditorium in the northeast angle of the Campus, an assembly hall for gatherings of all kinds from sermon-lectures to basket-ball; the Pharmacy Building in the northwest angle, recently remodeled and newly equipped; and, just outside southwest of the quadrangle, Music Hall with its assembly room, offices and private practice rooms cozy and convenient. These buildings contain commodious rooms well lighted and heated by the University's central steam heating system. At night they are lighted with electricity. The classrooms are furnished with appliances for illustration, experimentation and instruction.

The large Chemical and Physical Laboratories, are equipped with the latest conveniences and apparatus for individual instruction and investigation. In the General Chemical Laboratory are one hundred and twelve lockers provided with apparatus for general work, while the Physical Laboratory has ample accommodation for more than one hundred and fifty students.

The Biology Laboratories are equipped with a sufficient number of Compound Microscopes to enable each student to work by himself. A projection lantern and a projection microscope are used in the laboratory and lecture room for demonstrations and interpretations. Lockers for individual apparatus are provided free.

The Museum contains numerous specimens and collections for illustrating geology and biological sciences. In the geological alcove are found all the common minerals and ores, many rare ones, meteorites, plant and animal fossils representing the chief orders of geological importance, and shells and skeletons of many living molluscs and vertebrates. The zoological alcove ex-



hibits about 200 birds representing one or both sexes of nearly all of those common to this region, all animals native to Ohio, many kinds of snakes, and several hundred specimens of the orders of invertebrates preserved in jars. The department is making a complete collection of the insects of this region. For illustration in anatomy a human skeleton and structural models of various organs are at hand. The arranging of a herbarium representing native flora is well under way. All persons interested in the cause of education are kindly invited to make donations of specimens—geological, mineralogical, zoological, botanical, historical, Indian relics, any kind whatever—to the University. Specimens labeled with the name of the donor will be placed on exhibition.

The Pharmaceutical and Dispensing Laboratories are supplied with ample apparatus and desk arrangement; the equipment affording every facility for thorough, practical, individual work.

Four Society and Departmental Libraries supply abundant reading matter, literary and periodical, and the University Reference Library is open each day of the week for the convenience of students.

Within four squares of the Campus lie the Athletic Grounds, owned and controlled by the University, on whose area of eight acres the Base Ball Diamond, the Foot Ball Gridiron, the Lawn Tennis Courts and the Military parade and Contest Field are located.

The U. S. A. Government supplies a military equipment which, for the past three years has been under the management of Capt. Freeborn P. Holcomb, U. S. A.

### Curricula.

Over twenty different curricula leading to diploma or degree are offered by the University, covering all the subjects of study usually prescribed in the curricula of colleges and special schools. Elementary Biblical Courses are offered to prospective religious teachers and preachers.

### Degrees.

The University is empowered to grant the customary scholastic degrees, but aims to bestow them on the deserving only. Such honors are not for sale, but must be earned and merited.



The management accepts grades of equal value from other institutions of learning, yet the applicant for a degree is required to do a reasonable portion of his work here. No diploma is granted on grades made wholly in other institutions.

### Literary and Debating Societies.

Three flourishing Literary Societies, chartered, and meeting in well-furnished assembly rooms, are maintained by the students exclusively—the Franklin, Philomathean and Adelphean. In addition to the advantages afforded in public speaking, these organizations have been the conservators of enthusiastic energy, genuine social enjoyment and loyal devotion to the school. Everywhere the Alumni speak in proud terms of the "old society," and tell of the inspiration and help that have come from the associations and friendships formed in these societies.

Under the supervision of the Societies numerous clubs are organized each term for practice in debate and extempore speaking.

### Oratorical and Debating League.

The men's debating clubs are organized into a General Oratorical and Debating League which meets in the seventh week of each term. At this meeting representatives from several clubs enter into friendly contests in oratory and debate. The league is expected to send an Orator to the Ohio Intercollegiate Oratorical Association Contest held in the third week in February.

### Prizes.

Through the good will of Dr. H. S. Lehr, of Ada, a prize of \$25 is awarded to the winner in the annual Oratorical Contest between the three Literary Societies. This contest is one of the attractive features of Commencement week. At the contest in 1910 Dr. Lehr offered an additional prize of \$10 to the successful contestant among the "co-eds".

Hon. I. N. Kuhn, of Waynesburg, Pa., has provided for two annual prizes of \$15 and \$10 to be given to the successful contestants in Franklin Literary Contest.

Dr. A. E. Smith, the president, in each summer term, offers a prize of \$10 to the winner in the Spelling Contest open to all students.



Miss Pearl A. M. Stahl offers \$15 and \$10 prizes annually to the two successful members of the Philomathean Society.

The Alumni of the Adelphean Literary Society have arranged for \$15 and \$10 prizes for the winners in that Society.

### Government.

The opportunities and advantages of the University are offered to all sincerely desiring to develop the best in themselves, and aiming at a broad culture and a thorough preparation for useful service. Hence self-government is made the key-note in discipline. All are treated as ladies and gentlemen until they prove themselves otherwise. Incurable and morally corrupt persons are summarily dismissed from the institution. Every possible help is afforded in the formation of right habits, but those who cannot govern themselves are not wanted. This institution does not pose as a "reform school."

Regular attendance upon class work, prompt response to duty, and thoroughness in all assigned tasks are insisted on, not more for their bearing on scholarship than for their effect upon conduct and life.

### Student Senate.

In order to encourage self-government among students, there exists in the University an organization known as the Student Senate. Its function and extent of jurisdiction may be learned from the following sections of its constitution:

ART. I., Sec. 2. The object shall be: (1) To maintain and promote the highest ideals of college life. (2) To promote honesty in examinations, to promote good conduct within the University, in the town, and wherever bad habits or misbehavior would bring discredit to the high honor of the school. (3) To maintain and strengthen the fellowship between the Faculty and Student Body.

Sec. 3. The motto of this Senate shall be Honesty, Justice and Helpfulness.

ART. II., Sec. 1. The members of this body shall be elected as follows: One from each of the following departments, Liberal Arts, Engineering, Commercial, Music, Pharmacy, Military, Law, Expression, and one from each literary society.

ART. VI., Sec. 1. All actions of the Senate shall be final except when vetoed by the President of the University in the



presence of the Faculty; but before so acting a committee from the Senate shall be present.

ART. VII., Sec. 1 The Senate shall consider and take action on all matters brought before the Senate by the President of the University, or by any member or members of this body.

Sec. 2. The Senate shall have power to summon any student to appear before it and to make all inquiries and investigations that are thought necessary.

Sec. The Senate may require any member of the Faculty to attend any meeting as a witness or as an adviser, and his attendance shall be held a duty when requested in writing.

Sec. 4. The Senate shall have power to discipline, suspend or dismiss any student, subject to the restrictions stated in Article VI.

### **Moral and Religious Culture.**

Mere intellectual and physical training apart from moral and religious culture results in deformity of character. Much attention, therefore, is given to awakening and fostering an inspiration to attain to the highest type of Christian manhood and womanhood.

Chapel exercises are held each school day from 8:00 to 8:30 a. m. The aim of which is, not only to recognize the duty and privilege of daily devotions, but to foster a university spirit by bringing together into one assembly the students of the several Colleges to listen to practical addresses and talks from members of the faculty and others, and to be entertained by those connected with the Colleges of Music and Expression.

While the University is the property of the Central Ohio Conference of the Methodist Episcopal Church and is denominational in its ownership and control, it is in no sense sectarian. Students of all religious denominations are received on equal terms and treated with equal consideration. They are urged to identify themselves with the work, and participate regularly in the services, of the church of their choice. The seven churches of the city cordially invite students to their religious and social meetings, and heartily welcome them to veritable church homes.

### **Y. M. C. A. and Y. W. C. A.**

The Young Men's and Young Women's Christian Associations have enthusiastic organizations in the University and wield



a most wholesome influence on the lives and habits of the students.

Every young man entering the University should make it a point to become a member of the Young Men's Christian Association, for this organization occupies a very prominent place in the University life. It is affiliated with the World's Christian Federation and is under the direction of the State and International Committees. The local Association employs a General Secretary who gives half of his time to the work and is at the service of every man wishing friendly and confidential talks over problems affecting the life of a college man.

The privileges of membership include the use of the exercise and bath rooms as well as a voice in shaping the policy of the organization.

The Young Women's Christian Association has a strong organization in the University, with a membership including about ninety per cent. of the young women in attendance at the school.

A devotional meeting open to all the University women is held weekly. At the beginning of each term Bible and Mission Study classes are organized under efficient teachers.

The Association is supporting a child in an orphanage in India, and also contributes to the maintenance of a General Y. W. C. A. Secretary in India.

A parlor and rest room for the young women, with office and toilet room attached, has been fitted out in the Administration building.

Both Y. M. C. A. and Y. W. C. A. bible study classes and religious meetings are open to all men and women enrolled in the University. By a recent decision of the University Faculty bible study work is credited as elective in the College of Liberal Arts and is under the supervision of a member of the faculty.

### **Aid to Students.**

The Board of Education of the Methodist Episcopal Church lends money to members of that church taking a regular course in school, who have been in attendance long enough to merit a recommendation from the Faculty. No interest is charged if the debt is paid within five years from the time of leaving school, but a payment of \$5.00 each year must be paid on the principal. No security is required other than a recommendation from a quarterly conference. Loans are made at the beginning



of each term. Application should be made two weeks before the opening of the term, and no applicant can be received later than the close of the first week of the term. The maximum amount that can be allowed to each applicant is \$50 a year. Many of the best students avail themselves of this advantage.

For further information, address Prof. R. H. Schoonover, Ada, Ohio, who has charge of the distribution of the fund here.

Many students in the University make their entire expenses by working as waiters, janitors, and at other occupations in the town and vicinity, and, at the same time, carry full work in their studies.

### Rooms, Boarding and Home Comforts.

The University has no dormitory, owns no boarding-house, nor feeds its impecunious students in the basements of its buildings. The matter of rooming and boarding students is left to the large number of families engaged in this business for a livelihood. The competition is sharp, and good, substantial living is offered at remarkably low cost.

Good board in private families costs from \$1.65 to \$2.50 a week.

Furnished rooms, two in a room, 50 cents to 75 cents each a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boarding reduces these expenses somewhat.

The town is lighted with electricity; coal is the chief fuel, and many houses are heated by hot-air furnaces or with hot water from the city heating plant.

The comfort and convenience of the student is looked after by a kind people; when sick he is well cared for.

For cost of tuition, see "Expense" under the various schools and colleges. Needful expenses are reduced to a minimum.

### What to Do on Arrival.

Persons intending to enter the University and desiring to arrange beforehand in regard to course of study, board and room, will address the President or Corresponding Secretary.

On arrival the newcomer is met by students ready to welcome and assist in securing a lodging place and boarding house. He is expected, however, to report at once at the University Of-



fee in the Administration Building, obtain a card of matriculation and arrange his work. After matriculation, on payment of the tuition fee, he is given with the receipt a "classification card" which, when presented to the instructor in charge of any class, admits him to that class.

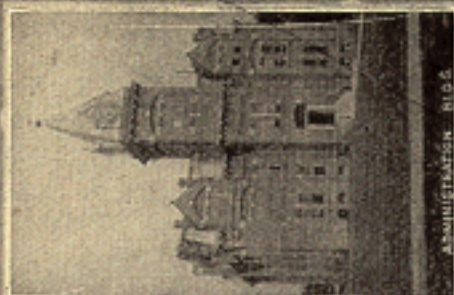
Monday is Registration Day for new students, Tuesday for former students.

All students, former and new, will report to their instructors on Tuesday and be ready for Wednesday's recitations and lectures.

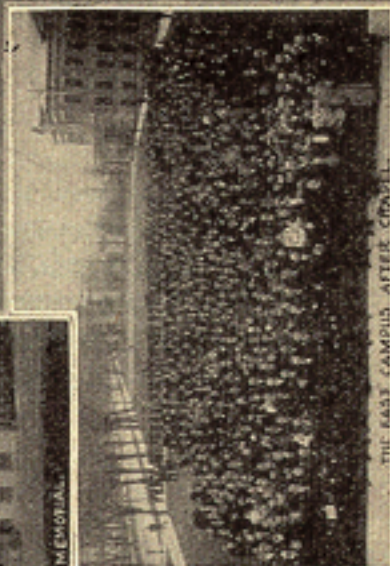
### Reports to Parents and Guardians.

Should any parent or guardian desire to acquaint himself with his son's or ward's standing in the work of any term, a report may be had by addressing a request to the president. Such reports will be made out and sent only on request and at the close of a term's work.

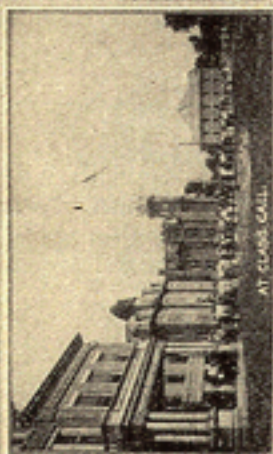




ADMINISTRATION BUILDING



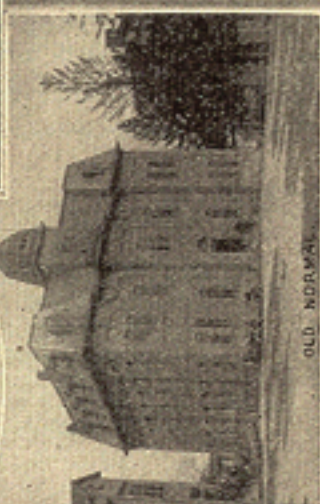
THE EAST CAMPUS AFTER CHAPEL



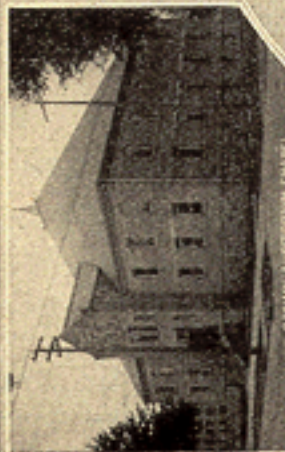
AT CLASS CALL



DUNNE MEMORIAL



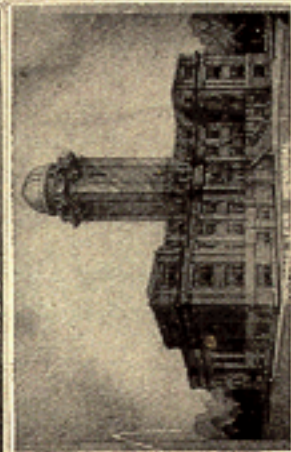
OLD NORMAL



BIOLOGY BUILDING



N. E. CORNER CAMPUS



LAKEVIEW



COLLEGE OF LIBERAL ARTS.

CLASSICAL

SCIENTIFIC

LITERATURE

BIBLICAL

ENGLISH



## OHIO NORTHERN UNIVERSITY.

## FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

HENRY WHITWORTH, A. M.,  
Dean.  
Latin.

FREDERICK MAGLOTT, A. M.,  
History, Geography, Astronomy.

MRS. EVA MAGLOTT, A. M.,  
Mathematics.

SAMUEL P. AXLINE, A. M., LL. D.,  
Sociology, Constitutional History of England.

RICHARD H. SCHOONOVER, A. M., B. D.,  
Greek, Hebrew, Biblical History

FRANK B. WILLIS, A. M.,  
Civics, Economics, History

WILLIAM GROTH, A. B.,  
German, French, Spanish.

GROVER C. KREGLOW, B. S., A. B.,  
Biology, Geology.

CHARLES H. FREEMAN, B. SC.,  
Rhetoric, English Literature.

.....  
Psychology, Ethics, Philosophy.

JESSE BEER, B. SC.,  
Physics and Chemistry.

H. L. FRANK, A. M.,  
Mathematics.

JOHN G. PARK, A. M.,  
Logic.

• FRANK L. BERGER,  
Assistant in Physics and Chemistry.

JAMES A. HUTCHISON,  
Assistant in Physiology.

EMMA O. HUFFORD,  
Auditor and Registrar.



## CURRICULA AND DEGREES.

I. The **CLASSICAL**, a three-year curriculum leading to the degree of A. B., in which the ancient classics are emphasized.

II. The **SCIENTIFIC**, a three-year curriculum leading to the degree of B. Sc., with emphasis laid on the natural sciences.

III. The **LITERATURE**, a three-year curriculum leading to the degree of B. Lit., in which special attention is given to literature, history and philosophy.

IV. The **ENGLISH**, a two-year curriculum leading to the degree of Graduate in English, with emphasis laid on mathematics, history and the English language and literature.

## Requirements for Admission.

Applicants for admission to the College of Liberal Arts who do not desire to take a full regular curriculum may, at any time, enter any department and pursue the studies they choose, if, on consultation, the head of the department is satisfied that they have sufficient preparation to pursue the work successfully. Such applicants are classified as "Special Students." Should they later desire to graduate, they may do so, on condition of passing all the requirements, including the preparatory work.

Students registering as candidates for the Bachelor degrees must complete the required preparatory work, if their certificates from other schools show that this work has not been finished. All preparatory work must be finished before Junior credentials are issued. The preparatory work may be taken here.

A unit of admission-credit is based on the work done in a good High School in one year. This means five recitation periods a week for thirty-six weeks, (120 clock hours), two laboratory periods being reckoned as the equivalent of one recitation period. A half-unit is the work done in a half-year.

Twelve such units are required of candidates for the English curriculum and fifteen for the Literature, Scientific, or Classical curriculum.

Credits in the starred subjects in each of the groups mentioned below are demanded of every candidate. From the subjects not starred he selects the additional units required for admission. If he selects subjects from the Foreign Language Group, he must present at least two units in any language se-



lected, and if he expects to take collegiate Latin, he must present at least four units of Latin.

Credits in the entrance subjects are accepted from "first-class" High Schools, Academies or Preparatory Schools. No certificates for private work are accepted, and the committee on standing reserves the right to reject any or all grades from a second or third class High School. State life certificates receive recognition; county certificates only in the "common branches."

#### Preparatory Subjects.

**English Group.** \*Composition and Rhetoric,  $1\frac{1}{2}$  units; \*English Literature (Elementary),  $\frac{1}{2}$  unit; \*English Literature (advanced)  $\frac{1}{2}$  unit; \*American Literature,  $\frac{1}{2}$  unit; Orthography,  $\frac{1}{2}$  unit.

**Mathematics Group.** \*Algebra (to quadratics), 1 unit; \*Algebra (through quadratics),  $\frac{1}{2}$  unit; \*Geometry (Plane), 1 unit; Geometry (Solid),  $\frac{1}{2}$  unit; Book-keeping,  $\frac{1}{2}$  unit.

**Science Group.** \*Physics, 1 unit; \*Physical Geography,  $\frac{1}{2}$  unit; \*Botany,  $\frac{1}{2}$  unit; Physiology, 1 unit; Chemistry, 1 unit; Astronomy,  $\frac{1}{2}$  unit; Geology,  $\frac{1}{2}$  unit; Zoology,  $\frac{1}{2}$  unit.

**History Group.** \*United States History, 1 unit; \*General History, 1 unit; English History,  $\frac{1}{2}$  unit; Grecian or Roman History,  $\frac{1}{2}$  unit; \*Civil Government,  $\frac{1}{2}$  unit.

**Foreign Language Group.** \*Latin, Beginning, 1 unit; \*Caesar, 4 books, with prose composition, 1 unit; Cicero, 6 orations, with prose composition, 1 unit; Virgil, 6 books, 1 unit.

Greek, Beginning, 1 unit; Anabasis, 4 books, 1 unit.

German, Beginning, 1 unit; Advanced (grammar and literature), 1 unit.

German, Beginning, 1 unit; Advanced (grammar and literature) 1 unit.

French, Beginning, 1 unit; Advanced (grammar and literature) 1 unit.

(Applicants for admission to the English Course are not required to present Latin units.)

#### Scope of Preparatory Requirements.

##### ENGLISH.

**Orthography.** A thorough acquaintance with the elements of orthography and word analysis as presented in any of the recent text-books on analytical orthography.

**Grammar.** An acquaintance with the principles of grammar and an "ability to state them intelligently and to explain the syntactical structure of any sentence encountered in reading."

**Composition.** Ability to write good English with clearness and mechanical accuracy. This ability can be acquired only by abundant practice in description, narration, argumentation and exposition, under criticism by the teacher and with revision by the pupil.

**Rhetoric.** Formal instruction in the principles of rhetoric most likely to be of service in the practice of writing. The equivalent of Herrick and Damon's, Hart's, Scott and Denny's, or Lockwood and Emerson's elementary composition and rhetoric.



**English Classics.** (A) A thorough study resulting in the knowledge of the subject matter, form and structure of Shakespeare's *Julius Caesar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus* and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Milton* and *Life of Johnson*.

In 1911: Shakespeare's *MacBeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, *Il Penseroso*; Burke's *Speech on Conciliation with America*; or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

(B) For general reading and composition work ten books selected from the following groups: Group 1, (two to be selected), Shakespeare's *As You Like It*, *Julius Caesar*, *Merchant of Venice*, *Twelfth Night*, *Henry the Fifth*; Group 2, (one to be selected), Bunyan's *Pilgrim's Progress*, Part I; Bacon's *Essays*, *The Sir Roger de Coverley Papers in the Spectator*, Franklin's *Autobiography*; Group 3, (one to be selected), Chaucer's *Prologue*, selections from Spenser's *Faerie Queen*, Pope's *Rape of the Lock*, Goldsmith's *Deserted Village*, Palgrave's *Golden Treasury*, first series, book ii. and iii., with especial attention to Dryden, Collins, Gray, Cowper and Burns; Group 4, (two to be selected), Hawthorne's *House of Seven Gables*, Thackeray's *Henry Esmond*, George Eliot's *Silas Marner*, Dickens' *A Tale of Two Cities*; Scott's *Ivanhoe*, *Quentin Durward*, Goldsmith's *Vicar of Wakefield*, Mrs. Gaskell's *Cranford*, Blackmore's *Lorna Doone*; Group 5, (two to be selected), Emerson's *Essays* (selected), Ruskin's *Sesame and Lilies*, Irving's *Sketch Book*, Carlyle's *Heroes and Hero Worship*, DeQuincey's *Joan of Arc* and the *English Mail Coach*, Lamb's *Essays of Elia*; Group 6, (two to be selected), Palgrave's *Golden Treasury*, first series, book iv., with especial attention to Wordsworth, Keats and Shelley; Coleridge's *Ancient Mariner*, Lowell's *Vision of Sir Launfal*, Scott's *Lady of the Lake*, Poe's *Poems*, Tennyson's *Gareth and Lynette*, *Launcelot and Elaine*, *The Passing of Arthur*, Arnold's *Sohrab and Rustum*, Byron's *Mazeppa*, *The Prisoner of Chillon*, Macaulay's *Lays of Ancient Rome*, and Browning's *Cavaller Tunes*, *Lost Leader*, *How They Brought the Good News*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Herve Riel*, *Pheidippides*.

#### MATHEMATICS.

**Algebra.** The equivalent of Milne's or Wentworth's *High School Algebra* or Taylor's *Elements*.

**Geometry.** Wentworth's *Plane and Solid Geometry*, or an equivalent.

**Bookkeeping.** A practical acquaintance with the theory of keeping accounts, so far as covered in the usual high school course in one-half year.

#### SCIENCE.

**Physics.** An amount equivalent to what is compassed in Carhart and Chute's, or Gage's *high school physics*, supplemented with work in the physical laboratory to the extent one-class period a week throughout the year.

**Physical Geography.** At least one of the more recent text-books, supplemented with observational work in connection with field excursions.

**Botany.** A study of germination, growth and reproduction of flowering plants including plant structure, physiology and classification. This includes field and laboratory work.



**Physiology.** As much as is contained in Martin's Human Body (briefer course).

**Chemistry.** The equivalent of Remsen's Introduction to Chemistry, including individual laboratory work.

**Geology.** The equivalent of LeConte's Geology (high school text), supplemented with field and observational work.

**Zoology.** The equivalent of Needham's Elementary Lessons in Zoology, studied by laboratory method.

**Astronomy.** The equivalent of Young's Elements of Astronomy.

#### HISTORY.

**American History.** The equivalent of Hart's or Fiske's United States History.

**General History.** The equivalent of Myer's or Sheldon's General History.

**English History.** The equivalent of Montgomery's History of England or Gardiner's Students' History of England.

**Grecian History.** The equivalent of Myer's History of Greece.

**Roman History.** The equivalent of Leighton's or Myer's History of Rome.

**Civil Government.** The equivalent of Fiske's Civil Government or Andrew's Manual of the Constitution.

#### FOREIGN LANGUAGE GROUP.

**Latin.** In elementary Latin the equivalent of Collar and Daniell's First Year in Latin, in amount and character. A thorough acquaintance with inflections and the general principles of syntax is required. Readings: four books of Caesar, six orations of Cicero and six books of Virgil. In connection with Caesar and Cicero, systematic work in prose composition is an essential part of the requirement.

**Greek.** An equivalent of White's First Greek Book for the elementary work. Readings: four books of Xenophon's Anabasis.

**German.** The applicant is expected to be able to pronounce correctly, to have an accurate knowledge of the elements of the grammar, to be able to translate easy prose from English into German and from German into English, to have read at least 300 pages of simple German, and to have sufficient facility in speaking German to take part in conversation on topics drawn from the works read.

**French.** The applicant is expected to be able to pronounce French intelligibly and with some fluency, to have a grasp of the elements of grammar, to understand French when spoken in simple phrase and about familiar subjects, to be able to translate easy prose from French into English and from English into French, to have read at least 300 pages of easy prose.



## Preparatory Work May be Taken Here.

For the accommodation of students desiring to take preparatory work at Ada, classes will be organized for instruction in preparatory subjects, as follows:

### CLASSICAL—PRESCRIBED (15 Units).

**English** (3 units)—Orthography, English Composition, Rhetoric I., Rhetoric II., English Literature I., English Literature II., American Literature, English Literature III.

**Mathematics** (2 units)—El. Algebra I., Algebra II., Plane Geometry I., Plane Geometry II., Solid Geometry.

**Science** (2 units)—Physics I., Physics II., Physics III., Botany I., Physical Geography.

**History** (2 units)—U. S. History I., U. S. Hist. II., General Hist. I., Gen. Hist. II., Civil Gov't.

**Latin** (4 units)—Beginning Latin I., Beginning Latin II., Caesar I., with prose composition, Caesar II., with prose composition, Caesar III., Cicero I. with prose composition, Cicero II., with prose composition, Cicero III., Virgil I., Virgil II., Virgil III.

**Greek** (2 units)—Beginning Greek I., Beginning Greek II., Beginning Greek III., Anabasis I., Anabasis II.

### LITERATURE—PRESCRIBED (11 Units).

**English** (3 units)—Same as in Classical.

**Mathematics** (2 units)—Same as in Classical.

**Science** (2 units)—Same as in Classical.

**History** (2 units)—Same as in Classical.

**Latin** (2 units)—Beginning Latin I., Beginning Latin II., Caesar I., with prose composition, Caesar II., with prose composition, Caesar III.

### LITERATURE—ELECTIVE (4 Units).

In addition to the studies prescribed above, ten credits from the following subjects must be presented by the candidate.

**Mathematics**—Trigonometry I., Bookkeeping.

**Science**—El. Physiology I., El. Physiology II.

**History**—Roman Hist., Grecian Hist., Eng. Hist., Commercial Geog.

**Latin**—Cicero I. and prose composition, Cicero II. and prose composition, Cicero III., Virgil I., Virgil II., Virgil III.

**Greek**—Greek I., Greek II., Greek III., Anabasis I., Anabasis II.

**German**—German I., German II., German III., German IV., German V.

**French**—French I., French II., French III., French IV., French V.

**Spanish**—Spanish I., Spanish II., Spanish III., Spanish IV., Spanish V.

### ENGLISH—PRESCRIBED.

**English** (3 units)—Same as in Classical.

**Mathematics** (2 units)—Same as in Classical.

**Science** (2 units)—Same as in Classical.

**History** (2 units)—Same as in Classical.



## OHIO NORTHERN UNIVERSITY

## ENGLISH—ELECTIVE.

In addition to the studies prescribed above, eight credits from the electives mentioned in "Literature Elective" must be presented by the candidate.

## Collegiate Course.

Instruction is given in courses. A course in which the class meets the instructor for sixty minutes once a week throughout a term (10 weeks) is a One-Hour course. A Five-Hour course means five class-exercises a week throughout the term. A Ten-Hour course means five class-exercises a week throughout two terms. Three Five-Hour courses successfully pursued for one term would entitle the student to fifteen hours' credit; for one year (five terms), to seventy-five hours credit.

## CLASSICAL.

Prescribed 170 hours; English Group, 35 hours; Mathematics, 10; Science, 25; History, 20; Philosophy, 25; Foreign Language, 55.

Electives, 55 hours: Not more than 20, additional to the prescribed, to be selected in any one group. Total hours required for degree, 225.

	FIRST YEAR	SECOND YEAR	THIRD YEAR
FIRST TERM	Coll. Rhet. I. Latin Greek	Chemistry I. Old Tes. Hist. For. Language	Psychology Lit. Criticism Elective
SECOND TERM	Logic Latin Greek	Chemistry Hist. Mid. Ages Poetics	Philosophy I. Elective Elective
THIRD TERM	Coll. Rhet. II. Latin For. Language	General Zoology Hist. Mod. Peop. Adv. Lit. II.	Philosophy II. Elective Elective
FOURTH TERM	Algebra III. For. Language For. Language	Geology I. Hist. Civilization 19th Century Lit.	Elective Elective Elective
FIFTH TERM	Algebra IV. For. Language For. Language	Geology II. Polit. Economy I. Shakespeare	Elective Elective Elective

## SCIENTIFIC.

Prescribed, 155 hours: English Group, 35 hours; Mathematics 10; Science, 55; History, 30; Philosophy, 25.

Electives, 70 hours. Not more than 25, additional to the prescribed, to be selected in any one group. Total hours required for degree, 225.

	FIRST YEAR	SECOND YEAR	THIRD YEAR
FIRST TERM	✓ Coll. Rhet. I. ✓ Chemistry I. Old Test. Hist.	✓ Gen. Biology ✓ Bot. Econ. I. ✓ Hist. Civt.	Botany III. Psychology Lit. Criticism
SECOND TERM	✓ Logic ✓ Chemistry II. ✓ Hist. Mid. Ages	✓ Zoology I. ✓ Pol. Econ. II. Poetics	✓ Geology I. Elective Elective

*Handwritten notes:*   
 Elective — *Lat. Rome*  
 Elective — *Modern Hist*



## CATALOGUE FOR 1909-1911.

35

THIRD TERM	<del>Colt. Rhet. II.</del> <del>Hist. Mod. Peop.</del> Elective	Zoology II. <del>Sociology</del> Adv. Lit. II.	Geology II. <del>Elective</del> Elective	<i>Hist. commerce</i>
FOURTH TERM	<del>Algebra III.</del> <del>English Hist.</del> Elective	Zoology III. Astronomy 19th Century Lit.	Elective Elective Elective	
FIFTH TERM	<del>Algebra IV.</del> <del>Elective</del> Adv. U. S. Hist.	<del>Botany II.</del> <del>Elective</del> Shakespeare	Elective Elective Elective	

## 2 LITERATURE.

Prescribed, 155 hours. English Group, 50 hours; Mathematics, 10; Science, 20; History, 30; Philosophy, 30; Foreign Language, 15.

Elective, 70 hours. Not more than 25, additional to the prescribed, to be selected in any one group. Total hours required for degree, 225.

	FIRST YEAR	SECOND YEAR	THIRD YEAR	
FIRST TERM	<del>Colt. Rhet. I.</del> <del>Chemistry I.</del> For. Language	<del>19th Cen. Lit.</del> <del>History of Rome</del> Pol. Econ. II.	Psychology Lit. Criticism <del>Elective</del>	<i>Sociology</i>
SECOND TERM	<del>Logic</del> <del>Chemistry II.</del> For. Language	Poetics <del>Hist. Middle Ages</del> Pol. Econ. II.	Philosophy I. Prose Fiction Elective	<i>Middle Ages</i>
THIRD TERM	<del>Colt. Rhet. II.</del> <del>Elective</del> For. Language	<del>Adv. Lit. II.</del> <del>Hist. Mod. Peop.</del> Gen. Zoology	Philosophy II. <del>Elective</del> Elective	<i>Cont. Hist. Eng.</i>
FOURTH TERM	<del>Algebra III.</del> <del>Elective</del> Hist. E. Nations	<del>19th Century Lit.</del> <del>Hist. Civilization</del> Argumentation	Elective <del>Elective</del> Elective	<i>Psychology II.</i> <i>Hist. Commerce</i>
FIFTH TERM	<del>Algebra IV.</del> <del>Elective</del> Hist. Greece	Shakespeare Botany II. Narration-Des.	Elective Elective Elective	

## 5 ENGLISH.

Prescribed, 120 hours. English Group, 35 hours; Mathematics, 10; Science, 20; History, 35; Philosophy, 20.

Elective, 30 hours. Not more than 20, additional to the prescribed to be selected in any one group. Total hours required for degree, 150.

	FIRST YEAR	SECOND YEAR	
FIRST TERM	<del>Colt. Rhetoric I.</del> <del>Old Test. History</del> <del>Chemistry I.</del>	Psychology Political Economy I. Elective	<i>Hist. Rome</i>
SECOND TERM	<del>Logic</del> <del>Hist. Middle Ages</del> <del>Chemistry II.</del>	New Test. History Poetics Elective	<i>Gen. Biology</i> <i>Hist. Greece</i>
THIRD TERM	<del>Colt. Rhetoric II.</del> <del>Hist. Modern Peoples</del> Elective	General Zoology Sociology Adv. Literature II.	
FOURTH TERM	<del>Algebra III.</del> <del>English History</del> Elective	<del>History Civilization</del> <del>19th Century Literature</del> Elective	<i>Pol. Econ. II.</i>
FIFTH TERM	<del>Algebra IV.</del> <del>Adv. U. S. History</del> Shakespeare	Botany II. Literary Criticism Elective	<i>Red Music</i>



## PARTIAL SCHEDULE OF ELECTIVES.

(No classes in any subject without at least five students.)

**Commercial Science**—Theory of Bookkeeping, 5 hours; Commercial Law, Stenography (with Typewriting), each 10 hours.**English**—Argumentation, Narration and Description, Advanced Literature I., Shakespeare II., Shakespeare III., Prose Fiction, each 5 hours.**Foreign Languages**—Latin, Greek, German, French, Spanish.**History**—New Testament History, Constitutional History of England, History of Commerce, Mythology, Ancient Geography, Adv. U. S. History, History of Christianity, History of Ancient Civilization, each 5 hours.**Law**—Commercial Paper, Contracts, Constitutional Law, Evidence, Domestic Relations, Equity, each 5 hours.**Mathematics**—Algebra V., Trigonometry II., Analytics I., Analytics II., Calculus I., Calculus II., Calculus III., each 5 hours.**Music**—Harmony, 15 hours; History of Music, 10, Theory of Music, 5.**Oratory**—Oratory, 10 hours.**Philosophy**—Sociology, Philosophy I., Philosophy II., Evidences of Christianity, each 5 hours.**Science**—Physics IV., Physics V., Physics VI., Chemistry III., Chemistry IV., Botany III., Botany IV., Entomology, Ornithology, Histology, Technique, each 5 hours.**Theology**—Systematic Theology, 15 hours; Introduction to the Scriptures, 5 hours.

## Biblical Course.

The Christian Ministry is calling to the young manhood of today to enter its sacred offices. The best equipment and the one to be obtained, if possible, is a full classical and theological training. The call, however, comes to many in straightened circumstances and of limited means, who cannot see their way clear to get what they want or need. For the benefit of such, the University offers a Biblical Course of two years, embodying varied and thorough work in the subjects most needed.

The course is designed to relieve the young preacher from the burden of Annual Conference examination, since the grades given here will be accepted by the Annual Conference. Furthermore, the work done here will enable the student to take advanced standing, if he decides to enter a theological school.

Those pursuing other courses in the College of Liberal Arts may without extra charge select from this course any studies they wish and receive credit therefor as substitutes for electives. Those making this their special course are charged the regular tuition-fee of the College of Liberal Arts.



Classes in the studies of the Biblical Course are formed only when called for and with no fewer than five students. The preparatory work in the College of Liberal Arts is a prerequisite.

For further information, address the President, or Prof. R. H. Schoonover, Ada, Ohio.

#### First Year.

##### FIRST TERM.

Introductory Greek, Elements of Hebrew, Old Testament History, Geography of Palestine.

##### SECOND TERM.

Introductory Greek, Elements of Hebrew, New Testament History, English Bible.

##### THIRD TERM.

Introductory Greek, Elements of Hebrew, Outlines of Universal History, English Bible.

##### FOURTH TERM.

Greek (one of the Gospels), Hebrew (Judges), Systematic Theology, English Bible.

##### FIFTH TERM.

Greek (Acts of the Apostles), Introduction to the Scriptures, Systematic Theology, Homiletics.

#### Second Year.

##### FIRST TERM.

Greek (Epistle to the Romans), Introduction to the Scriptures, Systematic Theology, Homiletics.

##### SECOND TERM.

Greek (Epistle to the Hebrews), Systematic Theology, Church History, English Bible.

##### THIRD TERM.

Hebrew (Psalms), Butler's Analogy, Church History, English Bible.

##### FOURTH TERM.

Hebrew (Prophetic Writings), Church History, Hermeneutics, English Bible.

##### FIFTH TERM.

Church History, Archaeology, Homiletics, English Bible.

### DESCRIPTION OF COURSES.

#### Agriculture.

**Agriculture.** A course designed to meet the needs of those who teach this subject in high schools, and valuable to anyone at all interested in up-to-date farm work or management. The study covers farm crops, soils, fertilizers, livestock and buildings, besides many minor subjects. Warren's Elements of Agriculture is used as a basis, and the student is required to read enough



other books to become familiar with the best agricultural publications. While the entire course is general in nature and extent, each student will be required to make an exhaustive study of some phase of the work. Those electing this course will find some knowledge of zoology, botany, physics and chemistry necessary for the best work, although not designated as prerequisites.

PROFESSOR KREGLOW.

### **Biblical Literature and Christian Religion.**

PROFESSOR SCHOONOVER.

1. **English Bible.** Inductive study of portions of the Old Testament.
2. **English Bible.** Inductive study of portions of the New Testament.
3. **Old Testament History.** A survey of the rise and growth of the Hebrew people, the organization of the Israelitish kingdom, the progress, decay and downfall of the kingdom, the exilic period, the restoration and intervening events prior to the advent of Christ.
4. **New Testament History.** The birth, life and work of Christ, the works and words of apostolic times to the close of the period covered by the New Testament canon.
5. **Introduction to the Scriptures.** A survey of the origin, authorship, composition, dates, authenticity, translations and modern constructive criticism of the books of the Bible. This course is required of those pursuing the Elementary Biblical Course, elective to others..
- 6—11. **Hebrew.** (6-8), Elementary Courses, followed by readings of the text, (9) Judges, (10) Psalms, (11), Prophetic writings.
- 12—15. **New Testament Greek.** A critical reading of selections, with a view to noting the special characteristics of this Greek, from (12) one of the Gospels, (13) Acts of the Apostles, (14) Epistle to the Romans, (15) Epistle to the Hebrews.
16. **Evidences of Christianity.** A study of the grounds of Christian belief and an inquiry into the great essentials of the Christian faith, both in its biblical and philosophical aspects.
17. **History of Christianity.** A survey of the origin, growth, spread and influence of Christianity on the nations of the world.



## Biological Sciences.

PROFESSOR KREGLOW.

1. **General Biology.** A study of the fundamental properties of protoplasm and functions and microscopic structure of all the animal tissues, including cell-division and reproduction. The embryological development of the frog is followed from the egg to the adult and complete dissection of the frog is required of each student. Some attention is given to the historical development of Biology and theories of Organic Evolution.

2. **General Zoology.** A brief survey of the animal world designed to acquaint the student with the principles of Zoological Classification and with typical representatives of each class. The following forms are dissected: Sponge, earthworm, starfish, mussel, crayfish, locust, fish and frog. Protozoa receive due attention. A comparative study is made of many other forms in field, laboratory and museum. Each student is required to make a special study of the habits and structure of some animal not in the preceding list and present a summary of his observations at the end of the term. This course or its equivalent, is prerequisite to historical geology, and is prescribed for all students except candidates for the B. Sc. degree, for whom the next three courses are prescribed.

3. **Zoology I.** A study of Protozoa, porifera, coelenterata and worms. Typical representatives of each class (sixteen in all) are studied in the laboratory.

4. **Zoology II.** A study of echinoderma, mollusca, and arthropoda. Each student is required to dissect sixteen forms and to make a comparative study of additional ones.

5. **Zoology III.** A study of chordata. The laboratory work includes a careful study of amphioxus, a tunicate, balanoglossus, elasmobranch, and teleost fishes, amphibian, reptile and bird.

6. **Botany I. (Phanerogamic)** A study of the germination, growth and reproduction of flowering plants, including plant structure physiology and classification. The subject matter of this course is similar to the work of the best high schools that are well equipped and do a large amount of laboratory work. This course, or its equivalent, is required for college entrance.

7. **Botany II. (Cryptogamic)** An introduction to the non-flowering plants, embracing general structure, life history and



relationship of the great groups, and including a study of such subjects as Alternation of Generations, Heterospory and Origin of Plant Structures.

8. **Botany 111.** (Ecology) Field work in the woods, in green-houses and along streams for the study of plant associations and reactions. The native plants are identified, and the student is required to prepare a thesis upon some phase of the work. The field work is supplemented with assigned reading and an illustrated lecture once each week.

9. **Botany 1V.** A study of Elementary Plant Physiology.

10. **History Technique.** A study of methods of preparing material for microscopic study. The student acquires the art of making permanent preparations of plant and animal tissues and structures—killing, fixing, embedding, sectioning, staining and mounting—and methods of demonstration with the microscope. High School teachers may make for themselves all the preparations needed for their work. This course is given in the summer term of each year.

11. **Physiology.** A course in Human Physiology for teachers and for students preparing for examinations. Students may enter the class at any time. The laboratory work covers the Harvard Entrance Requirements, and much of it can be adapted to schools where the teacher and pupils furnish all of the apparatus and materials. Many demonstrations are given by the instructor which are too difficult for the student to do alone. Students are assigned desk outfits, two at each table, for the purpose of assisting each other in manipulation and observation. Laboratory work two days each week.

12. **Ornithology and Entomology** courses will be arranged when a sufficient number of students apply for them at the proper season. The work in these subjects covers the general morphology, physiology, reproduction and life-history, and the principles of classification. In the latter half of each course the economic relations receive special emphasis.

**Note.** All laboratory periods are two hours each. A laboratory fee of one dollar is charged in all courses which covers use of compound microscope and accessories, reagents, glassware, desk equipment and all materials which cannot be collected in this vicinity by the student. There is no museum or library fee.



## English.

PROFESSOR FREEMAN.

### Rhetoric—Preparatory.

1. **English Composition.** (Hitchcock). This course includes theme writing, paragraphing, sentence structure, word study, capitalization, punctuation, the writing of letters, telegrams, business forms, etc., and a brief review of grammar. Short daily themes are required with four longer themes for the term.

2. **Rhetoric.** (a) Narration and description. Within certain limits the themes in this course are chosen by the student, or they are based upon the literature he has read. This course is closely coordinated with literature. Three short themes are required each week, and four longer themes for the term. Text, Gardiner, Kittredge and Arnold. Prerequisite: Course 1.

3. **Rhetoric.** (b) Exposition and argumentation. The aim in this course is to teach the student to write clearly. The theme work is based largely upon physics, physiography, civics, history and literature. Practice in brief making and debating is required. At least one of Burke's or Macaulay's speeches is critically studied. Prerequisite: Course 2.

### Rhetoric—Collegiate.

4. **College Rhetoric I.** (Canby). A thorough study of the principles of exposition, narration, description, and argumentation. The aim of this course is to give the student a practical knowledge of the principles of rhetoric. Considerable attention is given to the study of style, and to that end selections from the prose masters are carefully studied. Daily themes of 300 to 600 words, and five longer fortnightly themes are required. Prerequisites: Courses 2 and 3.

4 (a.) **College Rhetoric II.** (Hill's Science). This course requires the planning and the writing of longer themes than course 4. The emphasis is placed upon exposition and description. Five long themes and ten short themes are required. Prerequisite: Course 4.

5. **Argumentation.** (Foster). This course is a detailed study of the principles of argumentation and debating. There is practice in brief-making, a number of classic examples of persuasion studied, and ten arguments are written. Prerequisite: Course 4.



6. **Narration—Description.** (Buck). This course provides for the careful study of the theory of narration and description. Style is studied more in detail than in course (4). Twenty short themes and four long themes of from 1000 to 1500 words are required. Prerequisite: Course 4.

**Literature—Preparatory.**

7. **English Literature.** (Long) The following classics are read: Shakespeare's *The Merchant of Venice*, Coleridge's *The Rime of the Ancient Mariner*, Scott's *The Lady of the Lake*, Goldsmith's *The Deserted Village*, Addison's *The De Coverly Papers*, Stevenson's *Treasure Island*, Gray's *Elegy*.

8. **English Literature II.** Shakespeare's *As You Like It*, Scott's *Ivanhoe*, George Eliot's *Silas Marner*, Macauley's *Addison*, *The Idylls of the King*, Cooper's *The Deerslayer*. Text, Long. Prerequisite: Course 7.

9. **American Literature.** (Pattee, Long). Irving's *Sketch Book*, Hawthorne's *Twice-told Tales*, and selected poems of Bryant, Longfellow, Whittier, Poe, Lowell, Holmes, Lanier, and others.

10. **English Literature III.** Carlyle's *Essay on Burns*, Macauley's *Life of Samuel Johnson*, Burke's *Speech for Conciliation*, Chaucer's *Prologue*, Shakespeare's *Macbeth*, Milton's *Comus*, *L'Allegro*, *Il Penseroso*, and *Lycidas*. In each of the courses 8, 9 and 10 there are required ten short papers. Text, Long. Prerequisites: Courses 7, 8 and 9.

**Literature—Collegiate.**

11. **Poetics.** (Gummere, Manley). This course includes (1) a study of the various forms of poetry, the ancient epic, the modern epic, the folk song, the ballad, the lyric, the drama, and their various subdivisions; (2) the structure of verse, including the stanza, the line, accent, tone-color, quality, pauses, alliteration, assonance, and rime. A careful study is made of blank verse, the rimed couplet, the sonnet and of the French forms, the triole, the rondeau, the rondel, the ballad, etc.

A number of poems are criticised to show the relation between form and thought.

12. **Advanced Literature I.** Hawthorne's *House of the Seven Gables*, Carlyle's *Heroes and Hero Worship*, Macauley's *Essay on Milton*, Marlowe's *Doctor Faustus*, Chaucer's *Knight's*



Tale, Spencer's Fairie Queene, Browning's Selected Poems. Text, Brooks.

13. **Advanced Literature II.** (Brooks). A general course in English Literature in which the field is covered from an historical, biographical, and critical standpoint. A classic typical of each of the great periods is read.

14. **Nineteenth Century Literature.** (Saintsbury). A critical survey of the literature of the 19th Century. Tennyson's *In Memoriam*, or *The Princess*, Wordsworth's *The Excursion*, George Eliot's *Adam Bede*, Dickens' *Christmas Carol*, and Thackeray's *Henry Esmond*, DeQuincy's *Revolt of the Tartars*, Carlyle's *Sartor Resartus*. Five papers are required in this course.

15. **Shakespeare I.** (Hudson). *As You Like It*, *Twelfth Night*, *Julius Caesar*, *Hamlet*, *Macbeth*.

16. **Shakespeare II.** *Midsummer Night's Dream*, *The Winter's Tale*, *Henry VIII.*, *King John*, *Richard III.*

17. **Shakespeare III.** *Much Ado About Nothing*, *The Tempest*, *Romeo and Juliet*, *Henry V.*, *Coriolanus*, *King Lear*.

18. **Literary Criticism.** (Winchester). A study of the principles of criticism is applied to the various forms of literary expression. Five papers are required in this course.

19. **Prose Fiction.** The development of the novel, and its place in literature are discussed. Five novels from the following list will be read: *The Vicar of Wakefield*, *The Bride of Lammermoor*, *David Copperfield*, *The Marble Faun*, *Hereward—The Wake*, *Kidnapped*. Five papers are required.

20. **Milton.** In 1910-11 the following works of the great writer of Puritanism will be studied: *The Minor poems*, *Samson Agonistes*, *Areopagitica*, *Paradise Lost*.

## Geological Science.

PROFESSOR KREGLOW.

1. **Physical Geography.** A study of earth forms and processes and the geography of plants and animals. The work is based upon Salisbury's *Physiography*, (briefer course) and due attention is given to laboratory and field work. This course or its full equivalent is required of all students for College Entrance.



2. **Mineralogy.** A study of the appearance, structure and composition of the important rocks and minerals, and the methods of determination by physical characters and simple wet methods. Prerequisites: Physics, and Chemistry.

3. **Blowpipe Analysis.** (Qualitative) A determinative study of the metallic oxides alkali metals and earths, and acid elements, followed by reactions of the important ores. The important fluxes and both wet and dry methods are used.

4. **Dynamical Geology.** A study of the forces past and present which have brought the earth to its present condition. Prerequisites: Physical Geography, Chemistry and Physics.

5. **Structural Geology.** A study of the earth's crust, dealing with rock form and structure, and the formation of mineral deposits and mountains. This course is a continuation of course 4.

6. **Historical Geology.** The history of the earth and the Organic Kingdom is developed from the beginning. The student makes a systematic study of the fossils in the University Museum. Prerequisites: Botany I., and General Zoology, or equivalents.

## Greek.

PROFESSOR SCHOONOVER.

### I. Preparatory Courses.

The First Greek Book (White).....	3 terms
Xenophon, Anabasis (Goodwin) .....	3 terms

### II. Advanced Courses.

1. Epic Poetry....	Homer, Iliad (Owen).....	2 terms
	Odyssey (Owen).....	1 term
2. Lyric Poetry....	Greek Lyric Poets (Tyler).....	1 term
	Pindar, Olympian and Pythian Odes (Gildersleeve).....	
3. Drama .....	Aeschylus, Prometheus Bound (Prickard).....	1 term
	Sophocles, Antigone (D'Ooge).....	1 term
	Euripides, Medea (Allen) .....	1 term
4. History.....	Herodotus, Books VI. and VIII. (Merriam) .....	1 term
	Thucydides, Book I. (Morris) and III. (Smith) or Books VI. and VII. (Lamberton) .....	1 term
	Xenophon, Hellenica (Manatt) .....	1 term



5. **Philosophy**.....Plato Apology and Crito (Wagner).....1 term  
                               Phaedo (Wagner).....1 term  
                               Xenophon Memorabilia (Marshall) ....1 term
6. **Oratory**.....Demosthenes, De Corona (Abbot  
                               & Matheson).....1 term  
                               Lysias, Ten Orations (Wait).....1 term  
                               Isocrates, Panegyricus (Sandys).....1 term
7. **Sacred Greek**...New Testament, one of the Gospels  
                               (Wescott and Hort) .....1 term  
                               Eusebius, Ecclesiastical History..... 1 term

Any approved author or book may be substituted in the advanced courses. The courses may be elected entire or in part. When a class desires to read but one or two authors of any course, the remainder of the work in that course will be studied from a literary standpoint in collateral reading and by the use of outlines, lectures, topical research, etc. Each author is studied in his relation to the general outline of Greek Literature, in which work Jebb's *Primer of Greek Literature* is made the basis.

Classes will be formed in beginning Greek at the opening of the First Fall Term, the Winter Term and the Summer Term, or at any time that a sufficient number desire, though students are requested to choose those points for beginning as far as possible.

## History.

PROFESSOR MAGLOTT.

1. **General History.** A general survey of the rise, growth, political disturbances, foreign invasions, expansion, decadence and influence of the nations of historic times which have had a marked bearing on the world's civilization. This course is prerequisite to the remaining courses and its aim is to enable the student to gain a well-defined general idea and a perspective view of Universal History.

2. **History of the Eastern Nations.** A more detail study of the ancient monarchies of the East.

3. **History of Greece.** An intensive study of the Grecian peoples and civilization.

4. **History of Rome.** An intensive study of Rome's political history, conquests and civilization.



5. **History of the Middle Ages.** A more specialized course in the history of Europe from the Fall of Rome to the Saracen Invasion.

6. **Modern History.** Modern states of Europe and their colonizations from the Downfall of Constantinople.

7. **History of Commerce.** Elective.

8. **History of Civilization.**

PROFESSOR AXLINE.

9. **Constitutional History of England.** A study of the growth of English institutions.

PROFESSOR WILLIS.

10. **Advanced United States History.**

## Latin.

PROFESSOR WHITWORTH.

It is the aim of this department to utilize as fully as possible the efficiency of Latin as an instrument of education and a means of culture. The student's effort is directed, not only to a mastery of the structure and mechanism of the language, and to a faithful rendering into idiomatic English, but also to an appreciation of Roman writings as exhibiting the genius of the age in which they were written, and to a proper estimate of Rome's place and part in the realm of literature. Attention is given to the history of the people, the biographies of their great men, their manners and customs, home life, religion and worship.

Courses are as follows.

### Precollegiate.

1. First lesson based on Collar and Daniell's "First Year in Latin." Five hours a week. Two terms. Roman pronunciation. Beginner's classes are formed each term.

2. Caesar's Gallic War, four books, and prose composition. Five hours a week. Three terms. Emphasis is laid on prose composition as a means of acquiring a working knowledge of Latin syntax. Walker's or any quantity-marked text, is used. Pearson's Prose Composition.

3. Cicero and prose composition; six orations, including the four against Cataline and the Manillian Law. Five hours a week. Three terms. Allen and Greenough, or any quantity-marked text, is used. Pearson's Prose Composition.



3. Virgil's *Aeneid*, six books. Prosody, especially dactylic verse. Five hours a week. Three terms. Knapp's Virgil.

#### Collegiate.

The college courses are to be selected with the advice and approval of the head of the department. Necessary class-adjustments partly determine the order in which these courses are pursued.

5. Cicero's *De Senectute* and *De Amicitia*.
6. Ovid—Selections from the *Metamorphoses*.
7. Livy—Book I., or selections from Books XXI. and XXII.
8. Horace—Selections from the *Odes* and *Epodes*. Latin versification.
9. Terence and Plautus—selected plays from each.
10. Tacitus—*Agricola* and *Germania*.
11. Catullus, Tibullus and Propertius—Selections.
12. Pliny—Selected letters.
13. Cicero—*De Officiis* or *De Oratore*.
14. Quintilian—*Institutes*, Book X.
15. Juvenal or Persius—*Satires*.
16. Lucretius—*De Rerum Natura*.
17. Cicero—*De Natura Deorum* or *Tusculan Disputations*.
18. Seneca's tragedies, *Hercules* and *Medea*.
19. Advanced Prose Composition.

#### PROFESSOR MAGLOTT.

20. Grecian and Roman Mythology.

### Mathematics and Astronomy.

Great importance is attached to the study of Mathematics both as a means of general education and as a necessary basis for instruction in the various branches of engineering, of physics and other courses.

The courses in mathematics are designed to meet the needs of students desiring to teach mathematics in high schools or colleges; to do graduate work in the best universities; to pursue engineering or other technical courses.

1. **Algebra III.** Special stress is laid on factoring, radical quantities, fractional exponents, the solution of simple equations of one, two or more unknown quantities and the quadratic of one unknown.

—PROFESSOR FRANK.



2. **Algebra IV.** The large part of this course is a study of the quadratic equation, followed by the surds, the imaginaries, the binomial theorem and arithmetical, geometrical and harmonic series.  
—PROFESSOR FREDERICK MAGLOTT.

3. **Algebra V.** An exposition of the theory of logarithms; permutations, combinations, choice and chance, determinants; theory of equations. Elective in Liberal Arts curricula.  
—PROFESSOR EVA MAGLOTT.

4. **Geometry I. Plane.** Principles and definitions, demonstrations and theorems. Special stress is laid on original exercises and numerical problems.  
—PROFESSOR FRANK.

5. **Geometry II. Plane.** Continuation of course 4.  
—PROFESSOR FRANK.

6. **Geometry III. Solid.** Demonstrations of theorems in solid geometry; original problems.

7. **Trigonometry I. Plane.** This course includes the theory of the trigonometric functions and their application to the solution of right and oblique triangles; the use of tables; the solution of a large number of practical problems.  
—PROFESSOR EVA MAGLOTT.

8. **Trigonometry II.** This course is designed for those who expect to make mathematics their major study and for the students in engineering. It gives attention to the solution of trigonometric identities, the solution of trigonometric equations and the theory and solutions of spherical triangles.  
—PROFESSOR EVA MAGLOTT.

9. **Analytical Geometry I.** The properties of the straight line, the graph of an equation, the discussion of the circle and the parabola.  
—PROFESSOR EVA MAGLOTT.

10. **Analytical Geometry II.** The ellipse, the hyperbola, the general discussion of the conic and the higher plane curves and solid analytical geometry.  
—PROFESSOR EVA MAGLOTT.

11. **Calculus I.** Differential Calculus. Differentiation of functions; application of the derivatives; maxima and minima of functions. Elective in the Liberal Arts curricula.  
—PROFESSOR EVA MAGLOTT.

12. **Calculus II.** Curve tracing; infinite series; integration of easy forms.  
—PROFESSOR EVA MAGLOTT.



13. **Calculus III.** Integral calculus. Indefinite integration, the application of integral calculus to the solution of practical problems. Elective in the Liberal Arts curricula.

—PROFESSOR EVA MAGLOTT.

14. **Astronomy.** The work is based on Young's Manual of Astronomy. In addition to the study of the text, the student is required to name and locate the important constellations and stars seen in this latitude. As prerequisite to this study, the student should have a knowledge of the elementary principles of chemistry and physics. He is required to have a knowledge of mathematics including trigonometry.

—PROFESSOR FREDERICK MAGLOTT.

15. **Differential Equations.** Ordinary and partial and differential equations. Open to all students who have passed in Calculus III.

—PROFESSOR EVA MAGLOTT.

16. **Theory of Probability and Method of Least Squares.** This course consists partly of lectures and partly of recitations, in which the fundamental principles that govern the method of adjustment of observations and numerous problems are solved, illustrating the process of adjustment, of computing the most probable values of the quantities, of determining the precision of computed results, and of the use of the empirical equations.

### Modern Languages.

PROFESSOR GROTH.

**German I.** Pronunciation, elements of grammar, easy reading, practice in speaking and writing German.

**German II.** Continuation of course I.

**German III.** Drill on Grammar, memorizing of colloquial sentences, readings, translations and colloquial praxis.

**German IV.** Continuation of course III.

**German V.** Reading and translation of masterpieces of representative German authors study of syntax, prose composition.

**German VI.** Study of German classics, prose composition, conversational praxis.

**German VII.** Continued study of classics, lectures on German Literature, conversational praxis.

**German VIII.** History of German Literature.

**French I.** Pronunciation, Grammar, reading, composition, and oral exercises.



- French II. Continuation of course I.  
French III. Reading, Grammar, oral exercises.  
French IV. Continuation of course III.  
French V. Reading and translation of French masterpieces, studies in syntax, conversational praxis.  
French VI. Study of French classics, conversational praxis.  
French VII. Continuation of course VI.  
Spanish I. Grammar, easy reading, practice in speaking.  
Spanish II. Continuation of course I.  
Spanish III. Reading and translation of modern prose conversational praxis.  
Spanish IV. Continuation of course III.  
Spanish V. Reading and translation of Spanish classics, conversational praxis.  
Spanish VI. Continuation of course V.  
Spanish VII. Continuation of course VI.  
Italian. Elementary Italian, especially for students in the School of Music. Pronunciation, translation and reading.

### Physics and Chemistry.

PROFESSOR BEER.

1. Physics I. Class work and individual laboratory work in motion, force, energy, machine, properties of matter and dynamics of fluids. Four hours a week the first half of the term and six hours a week the last half are spent in individual laboratory work by each student.
2. Physics II. Lectures and recitations on sound, heat, and light. Each student spends fifty hours in individual laboratory work on these subjects.
3. Physics III. Lectures, recitations and demonstrations in magnetism and electricity. Fifty hours in experimental demonstrations, measurements and testing are required of each student.
4. Physics IV. (University Physics—Mechanics) Kinematics, kinetics, elasticity, mechanics of fluids, lectures, class-exercises and laboratory work. Text: Carhart's University Physics. Prerequisites; Physics I., II., and III. and Calculus I.
5. Physics V. (University Physics—Sound, Heat and Light) Nature and motion of sound, theory of music, nature and propagation of light, refraction, reflection, dispersion and polarization, nature of heat, temperature, expansion, fusion, kinetic



theory of gasses. Text: Carhart's University Physics. Prerequisites: Same as in Physics 4.

6. **Physics VI.** (University Physics—Magnetism and Electricity) Electrical charges, potential capacity, electrolysis, Ohm's Law. Electrodynamics, electromagnetism, electro-magnetic induction, electric oscillations. Lectures, class exercises and laboratory work. In the engineering courses, this is given under caption, "Elements of Electrical Engineering" and "Electrical Measurements." Text, Carhart's University Physics. Prerequisites: The same as in Physics IV.

#### PROFESSOR BEER.

7. **Chemistry I.** This is a course in the non-metallic elements and their inorganic compounds. The class work consists of lectures, recitations and demonstrations. In individual laboratory work, each student thoroughly investigates every subject.

8. **Chemistry II.** In this course the metallic elements, their compounds and chemical philosophy are theoretically and practically taught by lectures, recitations, demonstrations and much individual laboratory work by the student.

#### PROFESSOR SLEESMAN.

9. **Chemistry III.** A thorough study of the carbon compounds, the structure of these compounds, and their constituents. Two days each week are spent in laboratory experimentation.

10. **Chemistry IV.** This work consists of volumetric and gravimetric analysis; the determination of acidity and alkalinity; the analysis of organic and inorganic salts, sugar, syrups, candies, baking powders, milk, urine, etc. A large amount of work is done which the new food and drug act demands.

11. **Chemistry V.** The special chemistry course includes three terms of work after the completion of the regular pharmacy course. This includes the chemistry of the pharmaceutical drugs and their preparation; the analysis of ores, clays, cements, coal and coke, soil, limestone and many other compounds.

#### Philosophy.

1. **Logic.** Elements from the text book. Practical training in detecting the more common fallacies and in illustrating the condition of proof and laws of evidence.



2. **Psychology.** A survey of the mental processes in their relation to physical processes and conditions and a discussion of phases of mental phenomena.

3. **Aesthetics.** The science of beauty and analysis of taste. Form, relation, and expression as sources of the beautiful.

4. **Ethics.** The nature of the moral agents, the good, right, duty, motive and reward. A discussion of the various schools and theories of merit and demerit. The ethics of the individual, the family, the society and the state.

5. **Philosophy I. (Epistemology).** The subjective phases of the problems of philosophy, advanced logic and psychology, together with the origin, nature and validity of ideas. This is intended to pave the way for the study of pure metaphysics.

6. **Philosophy II. (Metaphysics).** The objective phase of philosophy, including ontology, cosmology, and advanced epistemology. A thorough discussion of the categories and the nature of being, mind, matter, force, causation and purpose.

### Social Sciences.

PROFESSOR WILLIS.

1. **Civics.** A general study of the American system of government in its local, state and federal organs and their relation to each other. Supplemental lectures on the methods of political action.

2. **Economics I.** A general survey of the field of political economy.

3. **Economics II.** An intensive study of special phases of the subject.

4. **Advanced United States History.**

PROFESSOR AXLINE.

5. **Sociology.** A general introductory survey of the great departments of social life.

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### EXAMINATIONS.

Mid-term examinations are held at the discretion of each professor. Final examinations are held on Wednesday and Thursday of the last week of each term, except in the Spring Term, when they fall on Monday and Tuesday of the tenth week.



Hours: 7:00 and 9:00 a. m., 1:00 and 3:00 p. m. Classes having recited at the "odd" hours are examined the first day; those having recited at "even" hours, the second day.

## EXPENSES.

### Matriculation.

No matriculation, or entrance fee, is required to enter the University. Some schools advertise free tuition, but it will be found that entrance fees with them amount to more than tuition fees here, a fact not to be overlooked by those selecting a school thorough, yet inexpensive.

### Tuition Fee.

For one term (10 weeks), in advance.....	\$ 10.00
For two terms, in advance.....	19.00
For three terms, in advance.....	28.00
For four terms, in advance.....	37.00
For five terms, in advance.....	45.00

All students paying the regular tuition fee are admitted to the general classes in Rudimental Music without extra charge.

### Laboratory Fees.

Fees to cover breakage and cost of chemicals and other materials used in the laboratories are charged each term as follows: Chemistry, \$4.00, Physics, \$2.00, Biology, Botany and Zoology, each, \$1.00.

### Graduation Fees.

Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study. In the English course the diploma fee is \$3.00; in the Scientific, Literature and Classical courses, \$5.00. Those preferring real parchment will be charged one dollar extra. Candidates for any degree are required to pay full tuition in graduation term.

### Rooms and Boarding.

Good board in private families, \$1.65 to \$2.50 a week.

Furnished room, two in a room, 50 cents to 75 cents each a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boardings reduces these expenses somewhat.



### Term Plan.

Thirty-four dollars paid in advance pays tuition, board and furnished room for ten weeks. The Term Plan may begin at any time.

### Refunding.

In case of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. Where the student is called from school on account of necessary business, a due bill for the unexpired time is issued to him by the Auditor, or the money refunded at the student's option. At any future time he may enter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

Any one taking the Term Plan may at any time change to the ordinary rates, by paying full rates for the time in attendance. The balance of his board will be refunded; but room-rent is not refunded until the room is re-rented.



NORMAL SCHOOL.

COMMON SCHOOL COURSE

TEACHERS' SHORT COURSE

TEACHERS' BACHELOR COURSE



## OHIO NORTHERN UNIVERSITY.

## FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.  
President.

H. L. FRANK, A. M.,  
Dean.  
Pedagogics, History of Education, Geometry.

JOHN G. PARK, A. M.,  
English Grammar, Analysis.

FREDERICK MAGLOTT, A. M.,  
History, Geography, Astronomy.

FRANK B. WILLIS, A. M., LL. B.,  
Civics, Economics.

HENRY WHITWORTH, A. M.,  
Latin.

GROVER C. KREGLOW, B. S., A. B.,  
Biological Sciences, Geology.

CHARLES H. FREEMAN, B. SC.,  
English and American Literature.

JESSE BEER, B. SC.,  
Chemistry and Physics.

IONA M. KILMER, B. PED.,  
Arithmetic and Algebra.

CHARLES SANKEY WENGERD,  
Public School Music.

GUY R. TAYLOR M. C. S.,  
Bookkeeping.

MARY HELEN LEY, B. F. A.,  
Drawing.

EMMET E. LONG, B. C.,  
Penmanship.

WILLIAM H. RICHARDSON, A. M.,  
Methodology and Paidology.  
(Summer Term.)

MARY BLACK,  
Model Primary School.  
(Summer Term.)



## THE NORMAL SCHOOL.

The pre-eminent function of a Normal School is to fit prospective teachers for their specific work. This department of the University aims—

1. To furnish a thorough, practical, fundamental knowledge of the branches studied, whether for common, graded or high schools.
2. To beget correct habits of investigation and of self culture.
3. To aid in forming clear and exalted conceptions of the dignity and importance of the teachers' work.
4. To give an insight into the science and history of education in general and into modern theories of education and schemes of instruction.
5. To present in theory, and by example, rational methods of teaching the branches.
6. To teach the philosophy of mind culture.
7. To help to an understanding of child life in its various conditions.
8. To create a high-toned professional sentiment among teachers.

In order to succeed in the critically important work of elementary teaching, one nowadays must know a vast deal more than the "three R's." Other things being equal, the more extensive the scholastic training the more successful the teaching. Indeed, thorough acquaintance with pedagogy itself, apart from a broad culture in the several great groups of human knowledge, does not qualify a teacher for his work.

No longer, however, is it the opinion of the thoughtful that "anyone can teach provided he knows his subject." Knowing and ability to tell what one knows, though essential, are far from being the supreme qualifications of a good teacher. A solid foundation of scholarship and culture is a prerequisite, and upon this must be built a structure of professional knowledge. Hence the need of special professional training.

Possibly it is true that the best teacher is born, not made. But the sympathetic impulses—the motherly heart—although a *SINE QUA NON* in the teacher, must be guided by adequate knowl-



edge of the activities, moods and states, interests, order of growth and manifestations, processes of development, physical conditions, the mental pabulum suitable, the time-limit of interest and activity,—in short, the child nature and needs in all its various stages, before one is ready to enter upon the profession of teaching. Then if the teaching instinct and a magnetic personality are present, success is assured.

The Ohio Northern University through its Normal School professes to give abundant opportunity to would-be teachers for broadening their attainments and extending their professional outlook. All the privileges and advantages attaching to a large school are proffered to those enrolled in the Normal School. To share in the prevailing enthusiasm alone will send the teacher back to his work keen, fresh and determined to win.

### COMMON SCHOOL COURSE.

This course is offered to students moderately well acquainted with the simple branches of the common school, but not sufficiently advanced to enter immediately upon higher courses. The instruction is in charge of experienced and skillful teachers, and pains is taken to have the student lay in these branches a careful foundation for future work in the various academic and collegiate courses.

A certificate is issued to those having completed the course here, the fee for which is one dollar.

**Mathematics.** Practical Arithmetic, Mental Arithmetic, each five hours a week.

**English.** Reading, Spelling, Composition, Orthography, Grammar, Sentence Analysis, English and American Literature each five hours a week.

**Science.** Elementary Physiology; five hours a week.

**History.** United States History, Civics, Descriptive Geography, each five hours a week.

**Art.** Penmanship five hours a week.

The same work arranged according to terms is as follows:

#### FIRST TERM.

Practical Arithmetic, Grammar, Reading Spelling, Penmanship.

#### SECOND TERM.

Mental Arithmetic, Orthography, Descriptive Geography Analysis.



**THIRD TERM.**

Eng. Composition, Physiology I., American History I., Civil Government.

**FOURTH TERM.**

American History II., English Literature I., American Literature, Physiology II.

**TEACHERS SHORT COURSE.**

In the Teachers' Short Course, leading to the degree of Graduate in Pedagogy, are found all the branches generally taught in Public Schools, and one who thoroughly masters the studies prescribed is academically equipped to take charge of graded school work.

**PREPARATORY.**

**English** (3 units)—Orthography, English Composition, Rhetoric I., Rhetoric II., English Literature I., English Literature II., American Literature, English Literature III.

**Mathematics** (2 units)—Adv. Arithmetic, Algebra I., Algebra II., Plane Geometry I., Plane Geometry II.

**Science** (2½ units)—Physics I., Physics II., Physics III., Botany I., Physical Geography, Physiology I., Physiology II.

**History** (2½ units)—U. S. History I., U. S. History II., Civics, General History I., General History II., Commercial Geography.

**Latin** (2 units)—Beginning Latin I., Beginning Latin II., Caesar I. with prose composition, Caesar II. with prose composition, Caesar III.

**Art** (½ unit)—Rudiments of Music, Freehand Drawing.

**COLLEGIATE.**

**English**—College Rhetoric I., Shakespeare, Poetics.

**Mathematics**—Algebra III., Algebra IV.

**Science**—General Biology, Astronomy.

**History**—English History, Adv. U. S. History.

**Professional**—School Management, Pedagogy, History of Education, Child Psychology, Methods.

**Elective**—Two Credits.

**BACHELOR OF PEDAGOGY.**

Candidates for the degree of Bachelor of Pedagogy are required to complete the work indicated in the following curriculum:

**PREPARATORY.**

Same as in the Teachers' Shorter Course.

**COLLEGIATE.**

To be arranged during the coming year.



### THE SUMMER SCHOOL.

The attention of teachers is called to the advantages offered in the Summer Term of nine weeks which begins June 13, 1911. This term will have at least one hundred and twenty class exercises a day, five days each week. The class periods are sixty minutes in length. Classes will be formed to accommodate public school teachers of whatever grade in all lines of work. Special attention will be given to the Common Branches both in acquisition of knowledge and in method of teaching. There also will be classes in Penmanship, Freehand Drawing, Vocal Music, Natural Sciences, Literature, Mathematics, Languages, and so on. Courses will be offered in Training, Pedagogy, School Management, School Economics, Educational Biography, and History of Education.

The Summer Term affords an excellent opportunity for review work, and any one desiring to take up new or advanced studies will find classes to suit, since all the departments of the University will be in regular session.

Special advantages are offered to persons preparing to teach the Natural Sciences in public high schools. The departments of Physics, Chemistry and Natural Science have adequate laboratory equipments and courses are offered especially adapted to the needs of prospective science-teachers.

Numerous calls come for qualified teachers of Latin and German. The University offers excellent facilities for the pursuit of these studies. The head of the Latin department has had an experience of twenty-four years as a public school man, and knows the requirements of public school work. The teacher of German brings to the class-room large experience in teaching his mother tongue.

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### EMPLOYMENT BUREAU.

The University so far as able assists its graduates to lucrative positions. Last year one-half the calls for teachers could not be supplied. Offers from \$40 a month for rural and grade teachers to \$125 a month for Principals and Superintendents are received.

In order to bring information of openings to the students of this school, an Employment Bureau has been organized under



the direction of Professors Wright, Frank, Willis and Maglott. Get your name on their register.

## EXPENSES.

### Matriculation.

No matriculation, or entrance fee is required to enter the Normal School. Some schools advertise free tuition, but usually entrance fees with them amount to more than tuition fees here, a fact not to be overlooked by those selecting a school thorough, yet inexpensive.

### Tuition Fee.

For one term (10 weeks) strictly in advance.....	\$10.00
For two terms in advance.....	19.00
For three terms in advance.....	28.00
For four terms in advance.....	37.00
For five terms in advance.....	45.00
For less than a term, per week.....	1.25

All students paying the regular tuition-fee are admitted to the general class in Rudiments of Music without extra charge.

### Graduation Fee.

Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study. In the Teachers' Course the diploma fee is \$3. Those preferring real parchment are charged one dollar extra. Candidates for any degree are required to pay full tuition in graduation term.

### Room and Board.

Good board in private families costs \$1.65 to \$2.50.

Furnished rooms, two in a room, 50 cents to 75 cents a week.

Light and fuel 5 cents to 30 cents a week.

Laundry, 15 cents to 25 a week.

Self-boarding reduces these expenses somewhat.

### Term Plan.

Thirty-four dollars in advance pays for tuition, board and furnished room for ten weeks. The Term Plan may begin at any time.



### Refunding.

In case of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. When the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor, or the money refunded at the student's option. At any future time he may reenter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

Any one taking the Term Plan may at any time change to the ordinary rates, by paying full rates for the time in attendance. The balance of his board will be refunded; but room rent is not refunded until the room is re-rented.

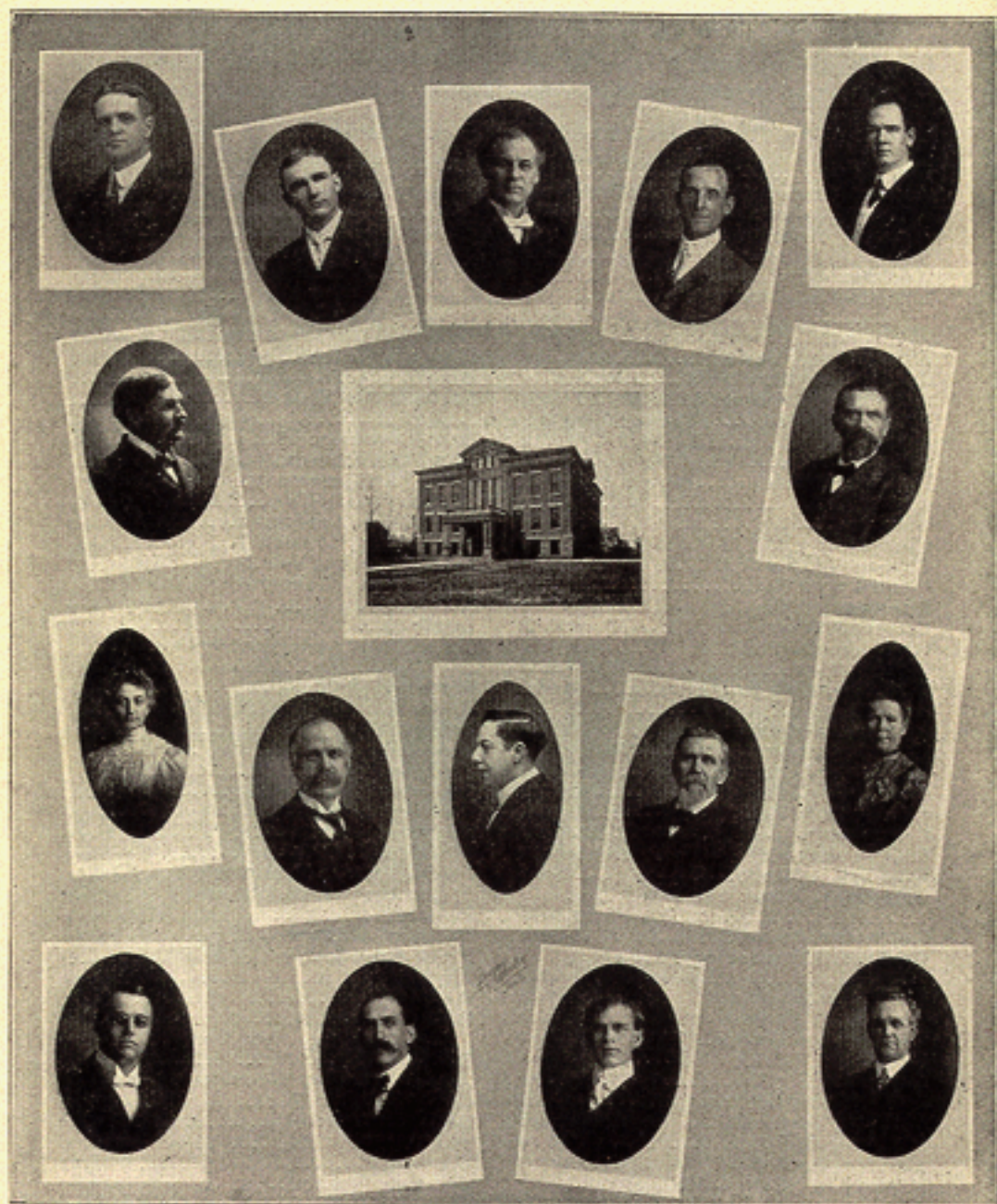


## Text-Book List.

In response to an extensive demand, as shown in the correspondence coming to the office, here follows a list of text-books used in the Normal School and in the College of Liberal Arts. These texts are subject to change at any time.

Æsthetics.....		History, England.....	Montgomery
Algebra, Academic.....	Wentworth	History, England (Constitutional)	
Algebra, Advanced Course.....	Wells	.....	Dale
Analogy of Religion.....	Butler	History, General.....	Myers
Analysis of Sentences.....	Park	History, Greece.....	Myers
Archæology.....		History, Middle Ages.....	Myers
Arithmetic, Commercial.....		History, Modern Age.....	Myers
.....	Loomis & Dilmore	History, New Testament.....	Maclear
Arithmetic, Practical.....	Ray	History, Old Testament.....	Maclear
Arithmetic, Mental.....		History, Rome.....	Myers
Arithmetic Advanced.....		Homiletics.....	
Astronomy, Manual of.....	Young	Latin, First Year in.....	
Biology, General.....	Hertwig-Kingsley	.....	Collar & Daniell
Bookkeeping.....	Twentieth-Century	Law, Commercial.....	Hill
Botany.....	Bergen & Davis	Law, International.....	
Botany Manual.....	Bergen & Davis	Law, Parliamentary.....	Roberts
Caesar.....	Walker	Literary Criticism.....	Winchester
Calculus.....	Granville	Literature, American.....	Paltee
Chemistry I and II.....	Smith	Literature, English I.....	Long
Chemistry (Manual).....	Beer	Literature English III.....	
Chemistry III.....	Bartley	Literature, Nineteenth Century.....	
Chemistry IV.....	Muler	.....	Saintsbury
Cicero Orations.....	Allen & G	Logic.....	
Civil Government.....	Andrews	Mineralogy and Blowpiping.....	
Composition.....	Hitchcock	.....	Moses and Parsons
Educational Reformers.....	Quick	Myths Classic.....	Gayley
Ethics.....		Narration and Description.....	Buch
Evidences of Christianity.....	Fisher	Orthography.....	Schoonover
French Course.....	Chardenal	Pedagogy.....	
Geography, Ancient.....	Mitchell	Philosophy I.....	
Geography, Commercial.....	Adams	Philosophy II.....	
Geography, Descriptive.....	Maglott	Physics, Academic.....	Gage
Geography, Land of Israel.....	Stewart	Physics, Manual.....	Beer
Geography, Physical.....	Salisbury	Physics, University.....	Carhart
Geology, College.....	Scott	Physiology, Elementary.....	Eddy
Geometry, Plane and Solid.....		Physiology, Lab. Manual.....	Eddy
.....	Wentworth	Poetics.....	Gummere
Geometry, Analytical.....	Smith & Gale	Political Economy.....	Seligman
German, Introductory.....		Prose Composition, Latin.....	
.....	Kayser & Montser	Psychology.....	James
Grammar, English.....	Park	Reading.....	Kidd
Grammar, French.....	Francois	Rhetoric I.....	
Grammar, German.....	Foynes-Meisner	.....	Gardner, Kittridge and Arnold
Grammar, Greek.....	Goodwin	Rhetoric II.....	
Grammar, Latin.....	Bennett	.....	Gardner, Kittridge and Arnold
Greek, First G Book.....	White	Coll. Rhetoric I.....	Canby
Hebrew, Elements.....	Harper	Coll. Rhetoric II.....	Canby
Hermeneutics.....	Terry	Shakespeare.....	Hudson
History, American.....	Hart	Sociology.....	Wright
History, Ancient Civilization.....		Spanish Method.....	Detonios
.....	Verschoye	Stenography.....	Graham
History, Christianity (Classical C.)		Spelling.....	
.....	Sohn	Systematic Theology.....	Miley
History, Christianity (Biblical C.)		Trigonometry.....	Granville
.....	Hurst	Virgil.....	Knapp
History, Civilization.....	Gutzot	Zoology.....	Hertwig-Kingsley
History, Commerce.....	Day	Zoology, General.....	Lenville & Kelly
History, Education.....	Seeley		





COLLEGE OF ENGINEERING FACULTY.



COLLEGE OF ENGINEERING

CIVIL

MECHANICAL

MUNICIPAL AND SANITARY

ARCHITTECTURE

ELECTRICAL

MINING



## OHIO NORTHERN UNIVERSITY.

## FACULTY.

ALBERT EDWIN SMITH, D. D., Ph., D.,  
President.

THOS. J. SMULL, M. E., C. E.,  
Dean.

Civil and Municipal Engineering.

D. D. EWING, M. E., EL. E.,  
Electrical and Mechanical Engineering.

.....  
Engineering Drawing.

MRS. EVA MAGLOTT, A. M., C. E.,  
Mathematics.

H. L. FRANK, A. M.,  
Geometry.

FREDERICK MAGLOTT, A. M.,  
Trigonometry, Astronomy.

MARY H. LEY, B. F. A.,  
Freehand and Perspective Drawing.

SAMUEL P. AXLINE, A. M., LL. B.,  
Contracts.

FRANK B. WILLIS, A. M., LL. B.,  
Algebra, Economics.

WILLIAM GROTH, A. B.,  
Spanish, French and German.

GROVER C. KKEGLOW, B. S., A. B.,  
Geology and Mineralogy.

LENIX C. SLEESMAN, PHARM. G., PHARM. C.,  
Metallurgy.

JESSE BEER, B. Sc.,  
Physics and Chemistry.

CHARLES H. FREEMAN, B. Sc.,  
English.

F. L. BERGER,  
Assistant in Chemistry and Physics.

.....  
Assistant in Engineering Laboratory.

.....  
Assistant in Drafting Room.

.....  
Assistant in Surveying.

CHAS. B. WRIGHT, G. S.,  
Corresponding Secretary O. N. U.

EMMA O. HUFFORD,  
Auditor and Registrar.



## COLLEGE OF ENGINEERING.

The aim of the founders of the Engineering Department of the Ohio Northern University was to provide a school where an education in engineering could be obtained with the least possible expenditure of time and money. They found that about one-half of the time allotted to the Engineering Courses in other technical schools was devoted to the study of subjects having no direct bearing on Engineering and that by omitting these subjects, the time could be shortened to about two and one-half years. The success of the experiment in the course of Training thus offered is seen in the fact that a very large per cent. of the graduates are engaged in occupations connected with engineering. In thus reducing the length of the courses, censure has been provoked on the claim that a thorough knowledge of engineering is to be obtained only by pursuing a lengthy college course. It is sufficient reply to state that by omitting such subjects as have no direct bearing on engineering, an Engineering Degree has been placed within the reach of thousands of worthy young men whose time and means will not permit them to spend the long period of four years in preparation for a profession.

The aim of the Department is to lay a foundation of sound theory and at the same time to impart such a knowledge of the usual professional practice as shall make its students useful in any position to which they may be called. The technical branches are taught and directed by teachers of professional experience as well as of full scientific training.

The benefits of classical and literary culture can not be overestimated, and to accommodate those desiring this culture in addition to the thorough technical training, the College of Liberal Arts with its excellent curricula and many advantages is open to all Engineering students free of extra tuition.

### Admission.

Students having a knowledge of the prerequisites for entrance into the respective courses herein set forth will be permitted to register as candidates for the corresponding Engineering Degrees. The prerequisites are mentioned in "Description of Courses." Preparatory work may be taken here, separately, or in connection with advanced work.

A liberal policy is pursued in giving credit for work done in other colleges.



### Time to Enter.

The large number of classes formed each term makes it possible for one to enter at almost any time in the year and find the work he desires. The best time to enter, however, is at the beginning of the term. See Calendar.

In view of the fact that every branch of study in the College of Engineering is presented from two to five times a year, students are given what they want, when they want it.

### Options.

With the advice and consent of the Professor-in-charge, certain subjects may be elected in the various courses to take the place of such as may not appeal to the student in his chosen profession. These are termed options, and are mentioned in the schedules of the courses.

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## CIVIL ENGINEERING.

The technical instruction includes Drawing, Surveying, Railroad Engineering, Strength of Materials, Roofs, Bridges, Foundations, Arches, Retaining Walls, Dams, Waterworks, River and Harbor Improvements, Sewerage, Drainage, Hydraulics, Water Power and Geodesy.

The teaching is done through class room exercises, field work, practical drawing and designing. Much time is devoted to the study of steel construction, during which the student is made familiar with the computation of stresses, designing, detailing and drawing of roofs, bridges and steel structures of all kinds. Those wishing to do so may elect advanced work in Hydraulics and Sewerage, to supplant a portion of the structural work of this course. The subject of roads and pavements, railroad construction and maintenance and masonry structures are exhaustively treated. Special attention is given to Land, Typographical Stadia and City Surveying and leveling. The aim is to fit men to act as county and city engineers, surveyors, railroad engineers, bridge engineers, structural engineers, hydraulic engineers, and government geodetic engineers. Besides the undergraduate work, special and more elaborate study is arranged for those wishing to prepare for particular positions.

The College is well equipped with high-grade Transits, Levels, Solar Compasses, Prismatic Compasses, Hand Levels, Aner-



oid Barometers, Stadia Outfits, Sight Poles, Chains, Tapes, Stereotomy and Descriptive Geometry Models, Stone Cutter's Tools, Planimeters, Slide Rules, a collection of Photographs and shop-drawings of bridges, a complete Blue Printing outfit and drawing room, and an excellent scientific library. This equipment is constantly enlarging through purchase and donation and by construction of students of the College.

## Schedule of Course.

FIRST TERM.		Credit Hours	SECOND TERM		Credit Hours
Algebra III.....	5	5	Algebra IV.....	5	5
Free hand Drawing.....	5	5	Mechanical Drawing.....	5	5
Trigonometry I.....	5	5	Trigonometry II.....	5	5
Lettering.....	5	5	Analytics I.....	5	5
THIRD TERM			FOURTH TERM		
Algebra V.....	5	5	Calculus II.....	5	5
Projections.....	5	5	Descriptive I.....	5	5
Analytics II.....	5	5	Anal. Mechanics.....	5	5
Calculus I.....	5	5	Chemistry I.....	5	5
FIFTH TERM			SIXTH TERM.		
Calculus III.....	5	5	Mech. of Materials I.....	5	5
Descriptive II.....	5	5	Geology.....	5	5
Physics IV.....	5	5	Physics V.....	5	5
Chemistry II.....	5	5	Plane Surveying.....	5	5
SEVENTH TERM.			EIGHTH TERM.		
Mech. of Materials II.....	5	5	Stresses I.....	5	5
Masonry.....	5	5	Graphics I.....	5	5
Physics VI.....	5	5	Stereotomy.....	5	5
Field Eng.....	5	5	Rail Road I.....	5	5
NINTH TERM.			TENTH TERM		
Stresses II.....	5	5	Bridge Design I.....	5	5
Graphics II.....	5	5	Field Astronomy.....	2½	2½
Astronomy.....	5	5	Higher Structures.....	5	5
Rail Road II.....	5	5	Sewerage.....	2½	2½
			Highway Engineering.....	2½	2½
ELEVENTH TERM			TWELFTH TERM.		
Bridge Design II.....	5	5	Building Construction.....	5	5
Hydraulics I.....	5	5	Hydraulics II.....	5	5
Least Squares.....	5	5	Geodesy.....	5	5
Elec. Rys.....	2½	2½	THESIS.....		
Estimates and Contracts.....	2½	2½			

NOTE:—230 hours are required for graduation. Maximum number of hours per week, 25. Minimum number of hours per week, 15. Two hours field work counts one credit hour.

## Options.

Reinforced Concrete, Machine Design, Metallurgy, Mineralogy, Electrical Measurements, Mine Surveying.



## ELECTRICAL ENGINEERING.

The courses offered in this Branch of Engineering require a thorough study of theoretical and applied electricity. The first half of the prescribed study, is, in the main, the same as that in the Civil and Mechanical Engineering courses, including the fundamental engineering sciences, Mathematics, Drawing and Surveying.

The last half consists of courses of study in Stresses, Graphics, Strength of Materials, Hydraulics, Steam Engines, Advanced study in the Theory of Electricity, a large amount of Laboratory Research and Experiment, Shop Tests, Plant Testing, Meter Testing, Machine Drafting and Designing, Power Plant and Wiring Layouts, and a thorough course in Electrical Machine Construction.

The theoretical work is thoroughly supplemented with practical application in the laboratory and in the design of Electrical Machinery. Throughout the course the student is drilled in the solution of many numerical problems with a view to a firm grasp of the theory.

In addition to a first-class Physical Laboratory, the department has a well equipped Electrical Laboratory. Within the past year new quarters have been fitted up, adding over four thousand square feet of floor area to the laboratory facilities. A gas-engine-driven electric lighting plant has been installed for lighting the University buildings and grounds. Both this plant and the plant of the Ada Water, Heat & Light Company are available for inspection and tests by the students. In the laboratory both direct and alternating currents are available for testing purposes. As part of the equipment may be mentioned the following: A General Electric three phase generator arranged with two sets of windings so as to supply either three phase alternating current or direct current; a control board equipped with suitable switches and circuit breakers, meters, etc., a feeder board for supplying either three phase or single phase current to the testing leads; several transformers representing the types of transformers manufactured by almost all the well known electrical manufacturing companies; a Westinghouse induction motor so arranged as to be operated either single phase or polyphase, a Wagner induction motor, an Emerson induction motor, a Westinghouse D. C. generator; a two panel switch board equipped



with meters, switches, circuit breakers, etc., for controlling D. C. generator; ballastic galvanometers, static galvanometers, Wheatstone bridges, X-Ray apparatus, frequency meter, speed indicators, Prony brakes, rheostats, and about thirty-five voltmeters, ammeters representing nearly all the best known makes of instruments. In addition to the above the department is supplied with a number of small motors, generators, testing keys, arc lamps, Nernst lamps, lamp banks and auxiliary apparatus such as are to be found in any well equipped laboratory. All the service meters of the local lighting company are repaired and calibrated in the University Electrical Laboratory, thus giving the student unexcelled opportunities for studying meter design and operation.

## Schedule of Course.

FIRST TERM		Credit Hours	SECOND TERM.		Credit Hours
Algebra III	.....	5	Algebra IV	.....	5
Freehand Drawing	.....	5	Mechanical Drawing	.....	5
Trigonometry I	.....	5	Trigonometry II	.....	5
Lettering	.....	5	Analytics I	.....	5
THIRD TERM			FOURTH TERM.		
Algebra V	.....	5	Descriptive Geometry	.....	5
Projections	.....	5	Plane Surveying	.....	5
Analytics II	.....	5	Calculus II	.....	5
Calculus I	.....	5	Chemistry I	.....	5
FIFTH TERM.			SIXTH TERM.		
Calculus III	.....	5	Mechanics Mat'ls I	.....	5
Physics IV	.....	5	Analytical Mechanics	.....	5
Machine Drawing	.....	5	Machine Design I	.....	5
Chemistry	.....	5	Physics VI	.....	5
SEVENTH TERM.			EIGHTH TERM.		
Mechanics Mat'ls II	.....	5	Elec. Mach. II	.....	5
Mach. Design II	.....	5	Elec. Mach. III	.....	5
Elem. Elec. Eng.	.....	5	Masonry	.....	5
Elec. Mach. I	.....	5	Physics V	.....	5
NINTH TERM			TENTH TERM.		
Elec. Mach. IV	.....	2½	Elec. Mach. VI	.....	5
Elec. Mach. V	.....	5	Stresses I	.....	5
Steam Engines	.....	5	Graphics I	.....	5
Differential Equations	.....	5	Electrical Transmission	.....	5
ELEVENTH TERM.			TWELFTH TERM.		
Elec. Mach. VII	.....	5	Elec. Mach. IX	.....	5
Elec. Mach. VIII	.....	5	Theory of Alter. Currts	.....	7½
Hydraulics I	.....	5	Hydraulics II	.....	5
Elec. Rys	.....	2½	THESIS	.....	
Estimates and Contracts	.....	2½			

Note—230 credit hours are required for graduation.

Note—Two hours' laboratory work constitutes one credit hour.

Maximum number of hours per week—25.

Minimum number of hours per week—15.

## Options.

Descriptive Geometry, II Stresses, II Structural Design, Electric Meters, Storage Batteries, Telephone Engineering, Steam Engine Design, Metallurgy, Railroad Engineering, Gas Engines, Illuminating Engineering.



## MECHANICAL ENGINEERING.

Mechanical Engineering deals with the transformation and transmission of energy, and with the theory and construction of mechanism and machinery. The courses offered are designed to equip the student with the theoretical and practical training that will enable him to cope with the intricate and complicated problems arising in this phase of Engineering. The first half of the course consists of the usual basic Engineering studies. In the latter half the special Mechanical Engineering studies are taken up. Thorough training is given in Machine Drafting, Machine Designs, Thermodynamics, Steam Engines, Steam Boilers, Gas Engines, Electrical Machinery and Steam Power Plants.

Within the past year the University has installed a gas engine-driven lighting plant and a central steam heating plant, lighting and heating all the University buildings. This equipment has been installed with special convenience for making tests on boilers, heating apparatus and power apparatus. In addition the Central Heating and Lighting Plant of the Ada Heating and Light Co. with its equipment of Corliss engines, high pressure cold and hot water pumps, boilers, etc., is open to the students for inspection and test.

## Schedule of Course

FIRST TERM		Credit Hours	SECOND TERM		Credit Hours
Algebra III .....	5		Algebra IV .....	5	
Freehand Drawing .....	5		Mechanical Drawing .....	5	
Trigonometry .....	5		Trigonometry II .....	5	
Lettering .....	5		Analytics I .....	5	
THIRD TERM			FOURTH TERM.		
Algebra V .....	5		Calculus II .....	5	
Projections .....	5		Descriptive Geometry I .....	5	
Analytics II .....	5		Plane Surveying .....	5	
Calculus I .....	5		Chemistry I .....	5	
FIFTH TERM.			SIXTH TERM		
Calculus III .....	5		Mechanics Mat'ls I .....	5	
Physics IV .....	5		Physics V .....	5	
Descriptive Geometry II .....	5		Analytical Mechanics .....	5	
Chemistry II .....	5		Machine Drawing .....	5	
SEVENTH TERM.			EIGHTH TERM.		
Mechanics Mat'ls II .....	5		Mach. Design II .....	5	
Thermodynamics .....	5		Theory of Steam Eng. ....	5	
Physics VI .....	5		Masonry .....	5	
Mach. Design I .....	5		Metallurgy .....	2½	
			Mechanical Lab. I .....	2½	
NINTH TERM.			TENTH TERM.		
Stresses I .....	5		Stresses II .....	5	
Graphics I .....	5		Mech. Lab. II .....	5	
Steam Eng. Design .....	5		Elec. Mach. I .....	5	
Elem. Elec. Eng. ....	5		Hydraulics I .....	5	



## ELEVENTH TERM.

Hydraulics II .....	5
Elec. Mach. III .....	2½
Struct. Design .....	5
Elec. Mach. V .....	5

## TWELFTH TERM.

Steam Turbines .....	5
Gas Engines .....	5
Estimates and Contracts .....	2½
Steam Power Plants .....	5
THESIS .....	

Note—230 hours are required for graduation.

Note—Two hours laboratory work constitutes one credit hour.

Maximum number of hours per week—25

Minimum number of hours per week—15

## Options.

Electric Mach. IV., Electric Mach. V., Bridge Design, Railroad Engineering, Reinforced Concrete, Heating and Ventilation, Gas Engine Design, Steam Piping System, Producer Gas and Gas Producers.

## MUNICIPAL AND SANITARY ENGINEERING.

This branch of Engineering is most nearly related to the parent stem, Civil Engineering. The instruction consists of the basic engineering sciences, and most of the general civil engineering subjects, special attention being paid to those branches which have to do with the public health. This calls for a better knowledge of Chemistry, Bacteriology and Sanitation that can be obtained in the usual course in Civil Engineering, and additional work is given in Topographical Surveying, Water Supply, Sewer Design, Sewage Disposal, Roads and Pavements and Precise Surveying. The increasing demand for this grade of Engineers has made it one of the leading courses in all scientific schools.

To those pursuing this course, the city improvements now in progress in Ada afford an opportunity to make practical observation and to assist in establishing street and sidewalk grades, cross-sectioning and computing earth work, laying out street and alley intersections, installing sewers and accessories, inspecting, drawing up specifications, advertisements and proposals and letting out contracts.

## Course of Study.

FIRST TERM.	Credit Hours	SECOND TERM	Credit Hours
Algebra III .....	5	Algebra IV .....	5
Free hand Drawing .....	5	Mechanical Drawing .....	5
Trigonometry I .....	5	Trigonometry II .....	5
Lettering .....	5	Analytics I .....	5
THIRD TERM.		FOURTH TERM.	
Algebra V .....	5	Calculus II .....	5
Projections .....	5	Descriptive I .....	5
Analytics II .....	5	Anal. Mechanics .....	5
Calculus I .....	5	Chemistry I .....	5



FIFTH TERM.		SIXTH TERM.	
Calculus III.....	5	Mech. of Materials I.....	5
Descriptive II.....	5	Geology.....	5
Physics IV.....	5	Physics V.....	5
Chemistry II.....	5	Chemistry III.....	5
SEVENTH TERM.		EIGHTH TERM.	
Mech. of Materials II.....	5	Stresses I.....	5
Masonry.....	2½	Graphics I.....	5
Physics VI.....	5	Stereotomy.....	5
Foundations.....	2½	Plane Surveying.....	5
Water Analysis.....	5		
NINTH TERM.		TENTH TERM.	
Stresses II.....	5	Field Astronomy.....	5
Graphics II.....	5	Sewer Design.....	2½
Astronomy.....	5	Roads and Pavements.....	2½
Municipal Engineering.....	5	Structural Design.....	5
		Railroad I.....	5
ELEVENTH TERM.		TWELFTH TERM.	
Hydraulics I.....	5	Hydraulics II.....	5
Sewerage Disposal.....	2½	El. Transmission.....	5
Water Supply and Irrigation... 5		El. Railways.....	2½
Estimates and Contracts.....	2½	THESIS.....	
Topographical Surveying.....	2½		
Mapping.....	2½		

Note—Three hours field work is equivalent to one credit hour. 230 credit hours are required for graduation.

## MINING ENGINEERING.

This course includes most of the Civil Engineering subjects and an extended study of Historical Dynamical and Economical Geology, Mineralogy, Metallurgy, Hydraulics, and the Assaying of Gold, Iron, Silver and Copper.

Course of Study.			
	Credit Hours		Credit Hours
FIRST TERM.		SECOND TERM.	
Algebra 3.....	5	Algebra 4.....	5
Free hand Drawing.....	5	Mechanical Drawing.....	5
Trigonometry 1.....	5	Trigonometry 2.....	5
Lettering.....	5	Analytics 1.....	5
THIRD TERM.		FOURTH TERM.	
Algebra 5.....	5	Calculus 2.....	5
Projections.....	5	Descriptive 1.....	5
Analytics 2.....	5	Anal. Mechanics.....	5
Calculus 1.....	5	Chemistry 1.....	5
FIFTH TERM.		SIXTH TERM.	
Calculus 3.....	5	Mech. of Materials I.....	5
Descriptive 2.....	5	Geology 1.....	5
Physics 4.....	5	Physics 5.....	5
Chemistry 2.....	5	Plane Surveying.....	5
SEVENTH TERM.		EIGHTH TERM.	
Mech. of Materials 2.....	5	Stresses 1.....	5
Physics 6.....	5	Graphics 1.....	5
Geology 2.....	5	Masonry.....	5
Mine Surveying.....	2½	Mining Law.....	2½
Estimates and Contracts.....	2½	Mineral Land Surveying.....	2½



## NINTH TERM.

Stresses 2.....	5
Graphics 2.....	5
Machine Design 1.....	5
Sewerage .....	2½
Blowpipe Analysis.....	2½

## ELEVENTH TERM.

Hydraulics 2.....	5
Mineralogy .....	5
Metallurgy .....	5
Elect. Machinery 1.....	5

## TENTH TERM.

Hydraulics .....	5
Assaying .....	5
Machine Design 2.....	0
Elect. Transmission.....	5

## TWELFTH TERM.

Hydraulic Machinery.....	5
Petrography.....	5
THESIS.....	

Note—Three hours field work is equivalent to one credit hour, 230 credit hours are required for graduation.

## ARCHITECTURE.

The object of this course is to unite a thorough knowledge of the mechanics of materials and engineering construction with a special training in Architectural Design and Decorative Art. Instruction is given in the basic engineering sciences, most of the general civil engineering subjects, and an exhaustive course is marked out in Architectural History, Ornamentation, Decorating, Architectural Designing, Heating, Ventilating, Plumbing, Estimates, Fire Proofing and Superintendence.

## Course of Study.

	Credit Hours		Credit Hours
FIRST TERM.		SECOND TERM.	
Algebra 3.....	5	Algebra 4.....	5
Free hand Drawing.....	5	Mechanical Drawing.....	5
Trigonometry .....	5	Trigonometry 2.....	5
Lettering .....	5	Analytics 1.....	5
THIRD TERM.		FOURTH TERM.	
Algebra 5.....	5	Calculus 2.....	5
Projections .....	5	Chemistry 1.....	5
Analytics 2.....	5	Perspective.....	5
Calculus 1.....	5	Anal. Mechanics.....	5
FIFTH TERM.		SIXTH TERM.	
Calculus 3.....	5	Mechanics Mat'ls. 1.....	5
Physics 4.....	5	Physics 6.....	5
Descriptive 1.....	5	Descriptive 2.....	5
Chemistry 2.....	5	Geology 1.....	5
SEVENTH TERM.		EIGHTH TERM.	
Mechanics Mat'ls 2.....	5	Stresses 1.....	5
Descriptive 3.....	5	Graphics 1.....	5
Physics 6.....	5	History of Architecture.....	5
Plane Surveying.....	5	Masonry.....	2½
		Foundations.....	2½
NINTH TERM.		TENTH TERM.	
Stresses 2.....	5	Higher Structures.....	5
Graphics 2.....	5	Arch Drawing 1.....	5
Stereotomy .....	5	Building Construction.....	5
Curves and Earthwork.....	2½	Building Laws.....	2½
Estimates and Contracts.....	2½	Wash Drawings.....	2½
ELEVENTH TERM.		TWELFTH TERM.	
Arch. Drawings 2.....	5	Ventilation and Heating.....	5
Hydraulics 1.....	5	Arch. Design.....	5
Landscape Design.....	5	Electrical Wiring.....	2½
		THESIS.....	



Note—Three hours field work is equivalent to one credit hour, 230 credit hours are required for graduation.

## PREREQUISITES.

### Civil Engineering.

1. Plane Surveying: Chain, compass, level and transit use. Text: Pence and Ketchum's Manual of Surveying. Prerequisite: Trigonometry.
2. Field Engineering: Land, topographical, stadia and city surveying. Drawing room—platting, blue printing and tinting. Text: Professor's Notes. Prerequisite: Plane Surveying.
3. Railroad Engineering I.: Reconnaissance, preliminary and mathematics of curves. Text: Searle's Field Engineering. Prerequisite: Field Engineering.
4. Railroad Engineering II.: Location, maintenance, and economics. Text: Professor's notes and Talbot's Transition Curves. Prerequisite: Railroad I.
5. Highway Engineering: Location and construction of streets and pavements. Text: Baker's Roads and Pavements. Prerequisite: Field Engineering.
6. Structural Geology: A study of the earth's crust, dealing with rock form and structure, and the formation of mineral deposits and mountains. Text: LeConte. Prerequisites: Physical Geography, Chemistry and Physics.
7. Sewerage: Disposal and design. Text: Folwell's Sewerage. Prerequisites: Chemistry and Surveying.
8. Hydraulics I.: Hydrostatic and hydromechanic pressures. Text: Merriman's Hydraulics. Prerequisites: Physics and Calculus.
9. Hydraulics II.: Hydraulic machinery. Text: Merriman. Prerequisite: Hydraulics I.
10. Least Squares: Its relation to Engineering. Text: Merriman's Method of Least Squares. Prerequisites: Calculus, Mechanics.
11. Astronomy: Study of the celestial spheres. Text: Young's Manual of Astronomy. Prerequisite: Calculus.
12. Field Astronomy: Observation and computation. Text: Comstock. Prerequisite: Astronomy.
13. Geodesy: Geodetic surveying and map making. Text: Merriman. Prerequisite: Least Squares.
14. Masonry: Properties and uses of sand, brick, lime and cement. Text: Baker's Masonry Construction. Prerequisites: Stereotomy, Mechanics.
15. Foundation and Retaining Walls: Foundations, dams, retaining walls, culverts, arches. Text: Baker. Prerequisite: Masonry.
16. Mechanics of Materials I. and II.: The course in Mechanics of Materials takes up work in elastic and ultimate strength of materials and treats of the simple stresses which may come upon materials. This is followed by elastic and ultimate deformations. This carries the student into a further discussion of the resistance and elasticity of materials, the theory of beams, continuous girders, columns and shafts. The course also includes a discussion of the resilience, combined and true stresses, and elements of the mathematical theory of elasticity. Text: Merriman's Mechanics of Materials. Prerequisites: Higher Mathematics.
17. Stresses I. and II.: Roofs and bridges. Text: Merriman's Bridge I. Prerequisites: Higher Mathematics and Mech., of Mat.
18. Graphics I. and II.: Roofs and Bridges. Text: Merriman's Bridge II. Prerequisite: Higher Mathematics.
19. Higher Structures: Cantilevers, swing bridges, arches, suspension bridges. Text: Merriman's Bridge IV. Prerequisite: Stresses and Graphics.
20. Bridge Design I.: Roofs, trusses and plate girder bridges. Text: Merriman's Bridge III. Prerequisites: Stresses and Graphics.
21. Bridge Design II.: Complete design of simple trusses and special bridges. Text: Professor's Notes. Prerequisites: Bridge Design I.
22. Building Construction: Computation of Stresses and design of modern structures. Text: Ketchum's Mill Buildings. Prerequisites: Stresses and Graphics.



**Drawing.**

1. **Freehand Drawing:** Sketching and pencil work.
2. **Lettering:** Freehand engineering lettering.
3. **Mechanical Drawing:** Use of drawing instruments, cabinet and isometric projections, working drawings. Text: Rhinehart's Mechanical Drawing. Prerequisite: Freehand drawing, geometry, lettering.
4. **Projections:** Orthographic projections, intersections, shadows, elementary linear perspective. Text: Tracy's Mechanical Drawing. Prerequisite: Mechanical Drawing.
5. **Descriptive Geometry I:** Advanced orthographic projection planes, single and double curved surfaces. Text: Church's Descriptive Geometry. Prerequisite: Projections.
6. **Descriptive Geometry II:** Spherical projections, maps, shadows, perspectives. Text: Church's Descriptive Geometry. Prerequisite: Descriptive Geometry I.
7. **Machine Drawing:** Drafting room practice, conventions, detailing, assembly drawings, checking. Text: Reid's Machine Drawing and Elementary Machine Design. Prerequisite: Descriptive Geometry I.
8. **Machine Design I:** (Kinematics of Machinery): Velocity diagrams, gears, cams, couplings, straight line and parallel motions. Text: Jones' Machine Design, Part I. Prerequisites: Machine Drawing, Mechanics I.
9. **Machine Design II:** Form, strength, proportions, bearings, gears, shafts, couplings, fly-wheels, cylinders. Text: Jones' Machine Design, Part II. Prerequisites: Machine Design, Part I, Mechanics of Materials I.
10. **Stereotomy:** Intersecting arches, warped surfaces etc., modelling and drawing. Text: French and Ives' Stereotomy. Prerequisite: Descriptive Geometry.

**Electrical Engineering.**

1. **Elementary Electrical Engineering:** Lectures, Problems and Laboratory work in electrical measurements. Prerequisite: Physics VI.
2. **Electric Machinery I:** (D. C. Generators): Physical theory, construction, reactions, windings. Text: S. P. Thompson's Dynamo Machinery, Vol. I. Prerequisites: Elements, Calculus I.
3. **Electric Machinery II:** (D. C. Motors, Regulators, Balances): Theory and Construction. Text: S. P. Thompson's Dynamo Machinery, Vol. I. Prerequisite: Electric Machinery I.
4. **Electric Machinery III:** (D. C. Laboratory): Experimental work with direct currents and D. C. apparatus. Prerequisite: Electric Machinery I. and II.
5. **Electric Machinery IV:** (D. C. Machine Design): Practical design of a D. C. generator. Text: S. P. Thompson's Dynamo Design. Prerequisite: Electric Machinery II.
6. **Electric Machinery V:** (A. C. Generators): Theory, construction, windings. Text: S. P. Thompson's Dynamo Machinery, Vol. II. Prerequisite: Electric Machinery II.
7. **Electric Machinery VI:** (Transformers): Theory, construction, design. Texts: S. P. Thompson's Dynamo Machinery, Vol. II., Fleming's Alternating Current Transformers. Prerequisite: Electric Machinery V.
8. **Electric Machinery VII:** (A. C. Motors, Synchronous and Induction): Theory, construction, diagrams, design. Text: McAllister's A. C. Motors S. P. Thompson's Dynamo Machinery, Vol. II. Prerequisite: Electric Machinery VI.
9. **Electric Machinery VIII:** (A. C. Design): Design of an A. C. Generator. Text: S. P. Thompson's Dynamo Machinery, Vol. II. Prerequisite: Electric Machinery V.
10. **Electric Machinery IX:** (A. C. Laboratory): Prerequisite: Electric Machinery VII.
11. **Alternating Currents:** Advanced Theory, lectures, recitations and laboratory. Text: Bedell and Crehore. Prerequisite: Electric Machinery V.
12. **Electric Railways:** Probable earnings, surveys, construction, operating expenses, car barns. Texts: Herrick & Boynton's Electric Railway Practice, Gotschall's Electric Railway Economics, Current Periodicals. Prerequisite: For E. E. Mach. VII.
13. **Electrical Transmission of Energy:** Circuits, losses, tests, circuit design. Text: Abbott's Electrical Transmission of Energy. Prerequisite: For E. E. Students E. E. Machine VII.



14. Electric Meters (D. C. and A. C. Meters): Theory, construction, calibration. Prerequisite: Electric Machinery V.
15. Storage Batteries: Theory, construction. Prerequisites: Chemistry II., Electric Machinery I.
16. Telephone Engineering: Circuits, apparatus, central office equipment, cable plant. Testing. Prerequisite: Electrical Machine I.

### Mathematics.

1. Algebra III.: Special stress is laid on factoring, radical quantities, fractional exponents, the solution of simple equations of one, two or more unknown quantities and the quadratic of one unknown. Text: Wentworth. Prerequisite: Alg. I. and II.
2. Algebra IV.: The large part of this course is a study of the quadratic equation, followed by the surds, the imaginaries, the binomial theorem and arithmetical, geometrical and harmonic series. Text: Wentworth. Prerequisite: Alg. III.
3. Algebra V.: An exposition of the theory of logarithms; permutation combinations, choice and chance; determinants; theory of equations. Text: Wentworth. Prerequisite: Alg. IV.
4. Trigonometry I.: Plane. This course includes the theory of the trigonometric functions and their application to the solution of right and oblique triangles; the use of tables; the solution of a large number of practical problems. Text: Murray. Prerequisite: Alg. II. or High School equivalent.
5. Trigonometry II.: Gives attention to the solution of trigonometric identities, the solution of trigonometric equations and the theory and solution of spherical triangles. Text: Murray. Prerequisite: Trig. I.
6. Analytical Geometry I.: The properties of the straight line, the circle, and the parabola. Text: Gale and Smith. Prerequisite: Trig. I.
7. Analytical Geometry II.: The ellipse, the hyperbola, the discussion of the higher plane curves and solid analytical geometry. Text: Gale and Smith. Prerequisite: Anal. I.
8. Calculus I.: Differential Calculus. Differentiation of functions; applications of the derivatives; maxima and minima of functions. Text: Granville. Prerequisite: Analytics I.
9. Calculus II.: Infinite Series. Curvature of curves; evolutes and involutes; curve tracing; infinite series; integration. Text: Granville. Prerequisite: Calculus I.
10. Calculus III.: Integral Calculus. Indefinite integration, and the application of integral calculus to the solution of practical problems. Text: Granville. Prerequisite: Calculus II.
11. Differential Equations: Solution of problems of the first and second degree. Text: Johnson. Prerequisite: Calculus III.
12. Analytical Mechanics: In order to prepare for the more technical studies of Mechanics of Machinery and Applied Mechanics, a course in the principles of Mechanics is given. The text-book is supplemented with original problems so as to get the student into the habit of analyzing these problems and using his own methods of solution. Text: Maglott. Prerequisites: Calc. I.

### Mechanical Engineering.

1. Thermodynamics: Theory of heat, laws of dynamics, perfect gases, saturated vapors, superheated vapors. Text: Peabody's Thermodynamics. Prerequisites: Calculus II., First Year Physics.
2. Theory of Steam Engines: Steam engines, compound engines, engine testing, engine economy. Text: Peabody. Prerequisite: Thermodynamics.
3. Steam Engine Design: Complete design of a steam engine. Text: Whitaur's Steam Engine Design. Prerequisites: Machine Design II., Theory of Steam Engine.
4. Steam Boilers and Boiler Design: Structure, design, fuels, heating surface, boiler trials. Text: Thurston's Manual of the Steam Boiler. Prerequisites: Thermodynamics, Machine Design II.
5. Steam Power Plants: Plant layouts, plant testing, economy, design. Prerequisites: Theory of Steam Engine, Steam Boilers.
6. Steam Turbines: Velocity and flow of steam, flow of steam through orifices, turbines, reaction turbines, impulse-reaction turbines. Prerequisite: Thermodynamics.



7. **Gas Engines:** Liberation of heat energy, combustion, gas engines burning gas, gas engines using kerosene oil, gas engines using gasoline, automobile engines, ignition, carburation testing. Text: Hutton's The Gas Engine. Prerequisite: Thermodynamics.

8. **Mechanical Lab. I:** Laboratory work in Heat measurements, Boiler Tests. Prerequisite: Thermodynamics.

9. **Mechanical Lab. II:** Steam and Gas Engine Tests, Power Plant Test, Problems. Prerequisites: Theory of Steam Engines.

### Physics and Chemistry.

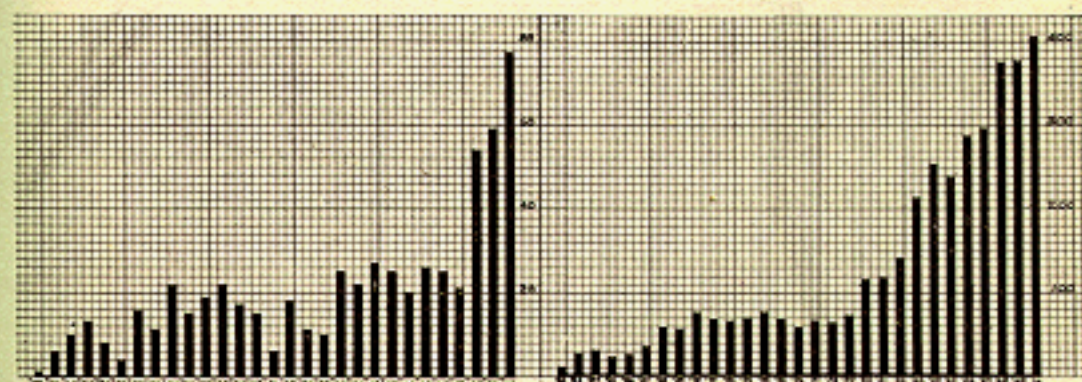
4. **Physics IV:** (University Physics—Mechanics): Kinematics, kinetics, elasticity, mechanics of fluid, lectures, class exercises and laboratory work, Text: Carhart's University physics. Prerequisites: Physics I., II., and III. and Calculus I.

5. **Physics V:** (University Physics—Sound, Heat and Light): Nature and motion of sound, theory of music, nature and propagation of light, refraction, reflection, dispersion and polarization, nature of heat, temperature, expansion, fusion, kinetic theory of gases. Text: Carhart's University Physics. Prerequisites: Same as in Physics IV.

6. **Physics VI:** (University Physics—Magnetism and Electricity): Electrical charges, potential capacity, electrolysis, Ohm's law, electrodynamics, electromagnetism, electro-magnetic induction, electric oscillations. Lectures and class exercises. Text: Carhart's University Physics. Prerequisites: The same as in Physics IV.

7. **Chemistry I:** This is a course in the non-metallic elements and their inorganic compounds. The class work consists of lectures, recitations and demonstrations. In individual laboratory work, each student thoroughly investigates every subject. Text: Smith. Prerequisite: Physics I., II., III. Algebra I.

8. **Chemistry II:** In this course the metallic elements, their compound and chemical philosophy are theoretically and practically taught by lectures, recitations, demonstrations and much individual laboratory work by the student. Text: Smith. Prerequisite: Chemistry I.



GRADUATES.

ATTENDANCE.

The above diagram represents the growth of the College of Engineering since 1881.



## SCHEDULE OF CLASSES.

For the convenience of students desiring to attend the University during certain terms only, or to specialize along certain lines, the following condensed form of the schedule of the different subjects taught during the school year is presented.

Many special classes are formed in connection with these.

Fall Term	Winter Term	Middle Term	Spring Term	Summer Term
Alg 3	Algebra 3	Algebra 3	Algebra 3	Algebra 3
Algebra 4	Algebra 4	Algebra 4	Algebra 4	Algebra 4
Algebra 5	.....	Algebra 5	.....	Algebra 5
Trigono. 1	Trigono. 1	Trigono. 1	Trigono. 1	Trigono. 1
.....	Trigono. 2	.....	Trigono. 2	.....
Geology	.....	Geology	.....	Geology
Chemistry 1	Chemistry 1	Chemistry 1	Chemistry 1	Chemistry 1
Chemistry 2	Chemistry 2	Chemistry 2	Chemistry	Chemistry 2
Freehand	Free hand	Freehand	Freehand	Freehand
Lettering	Lettering	Lettering	Lettering	Lettering
Analytics 1	Analytics 2	Analytics 1	Analytics 2	.....
Calculus 1	Calculus 2	Calculus 1	Calculus 2	.....
.....	.....	Calculus 3	.....	Calculus 3
.....	Anal. Mech.	.....	Anal. Mech.	.....
Astronomy	.....	.....	Astronomy	Field Astron.
Physics 4	Physics 5	Physics 6	Physics 5	Physics 6
.....	.....	Physics 4	.....	.....
Mech. of Mat 1	Mech. of Mat 2	Mech. of Mat 1	Mech. of Mat 2	.....
Stresses 1	Stresses	Stresses 1	Stresses 2	.....
Graphics 1	Graphics 2	Graphics 1	Graphics 2	.....
Hydraulics 1	Hydraulics 2	Hydraulics 1	Hydraulics 2	.....
Bridge Des. 1	Bridge Des. 2	Bridge Des. 1	Bridge Des. 2	.....
Elec. Mach. 2	Elec. Mach. 1	Elec. Mach. 1	Elec. Mach. 3	.....
.....	Elec. Mach. 3	Elec. Mach. 5	Elec. Mach. 6	.....
.....	Mach. Des. 1	Mach. Des. 2	.....	.....
.....	Steam Eng.	Steam Eng. 2	Steam Boiler	.....
Elec. Meas.	.....	Elec. Railways	.....	Elec. Meters
Railroad 1	Railroad 2	.....	Railroad 1	Railroad 2
Descriptive 1	Descriptive 2	Descriptive 1	Descriptive 2	Est. and Con.
Plane Surv.	.....	.....	Plane Surv.	Roads & Pave
Mech. Draw.	.....	Mech. Draw	.....	Mech. Draw.
Thermodyn.	Mineralogy	Metallurgy	Masonry	Masonry
Mach. Draw.	Projections	Higher Str.	Projections	Higher Str.
.....	Field Eng'r	.....	Re-in'fd Con.	Field Eng'r.
.....	Contracts	Least Squares	Sewerage	Storage Batt.
.....	.....	.....	Stereotomy	Tel. Eng'r.
.....	.....	.....	Geodesy	Options.

## THESES.

Every candidate for a degree must prepare a thesis upon some technical or scientific study, which lies within the field of the degree sought, and may be either designing, construction, testing or research; if the latter, a minimum of 5000 words is required; the study to be selected by the professor-in-charge and the subject to be announced not less than twenty weeks preceding graduation.



The form of the finished thesis must be in accordance with the requirements of the department and the library and be deposited with the Dean at least four weeks before the conferring of the degree.

### Degrees.

The University is empowered to grant the customary scholastic degrees, but aims to bestow them on the deserving only. Such honors are not for sale, but must be earned and merited. The management accepts grades of equal value from other institutions of learning, yet the applicant for a degree is required to do a reasonable portion of his work here. No diploma is granted on grades made wholly in other institutions. No student carrying more than two subjects will be excused from the Final Examinations during his senior term.

### Expenses.

On account of the large number of students attending school at the Ohio Northern University, the cost of living has been reduced to a minimum. Tuition for a term of ten weeks, \$12.00. Good board in private families can be obtained at prices ranging from \$1.65 to \$2.50 per week, and a well furnished room at from 50 to 75 cents per week. Ada is a school town and the majority of the families are engaged in boarding and rooming students. The competition is sharp; hence prices are low and board is good.

For \$36.00 paid in advance the University agrees to furnish any person tuition, board and furnished room for ten weeks; this is called the Term Plan.

A graduation fee of \$3.00 is charged to cover cost of diploma. If real parchment is desired the cost is \$1.00 extra.

For general catalogue, address,

CHAS. B. WRIGHT, Cor. Sec'y.

For special information concerning Engineering subjects,  
address,

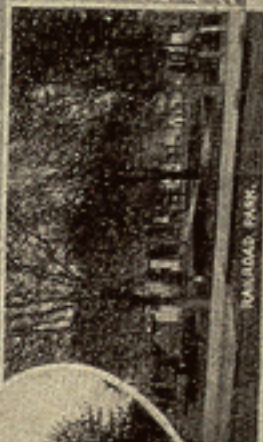
THOMAS J. SMULL, Dean, Ada, O.

College of Engineering, Ohio Northern University.





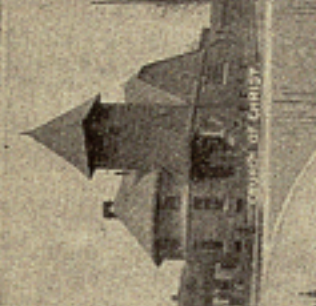
SOUTH MAIN ST.



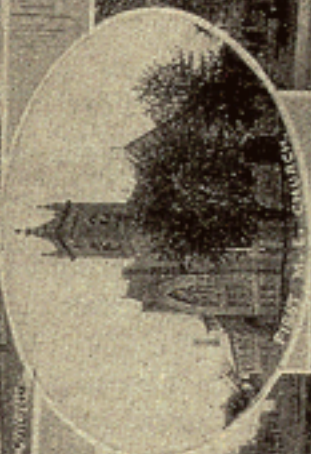
RAILROAD PARK.



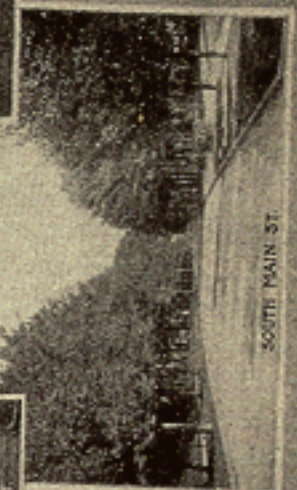
HEAD OF THE CITY.



HOUSE OF CHRIST.



METHODIST CHURCH.



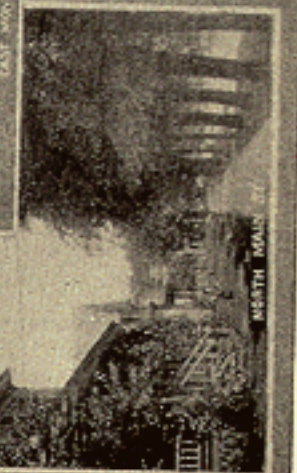
SOUTH MAIN ST.



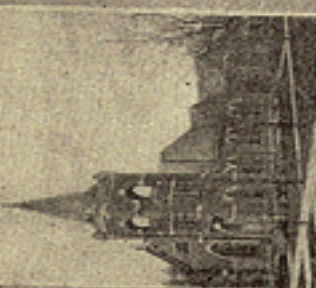
HOUSE OF CHRIST.



EAST WOODFORD ST.



NORTH MAIN ST.



EAST MAIN ST.



COLLEGE OF COMMERCE.

BUSINESS

COMMERCIAL LAW

STENOGRAPHY

TYPEWRITING

PENMANSHIP



## OHIO NORTHERN UNIVERSITY.

## FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

CHARLES B. WRIGHT, G. S.,  
Dean.  
Stenography, Business English and Letterwriting.

GUY R. TAYLOR, A. B., M. C. S.,  
Theory of Bookkeeping, Practical Book-  
keeping, Banking, Actual Business, Office Practice.

EMMET E. LONG, B. C.,  
Business and Ornamental Penmanship, Pen Draw-  
ing, Commercial Arithmetic, Spelling, Rapid Calculation.

GEORGE W. SCHEID, B. STEN.,  
Stenography, Typewriting.

FRANK B. WILLIS, A. M., LL. B.,  
Commercial Law, History, Civics.

FREDERICK MAGLOTT, A. M.,  
Commercial Geography, History of Commerce.

H. L. FRANK, A. M.,  
Practical Arithmetic.

JOHN G. PARK, A. M.,  
Grammar, Analysis.

CHARLES H. FREEMAN, B. SC.,  
Rhetoric and Literature.

RICHARD H. SCHOONOVER, A. M.,  
Orthography.

EMMA O. HUFFORD,  
Auditor and Registrar.



## GENERAL REMARKS.

Commercial training has assumed enormous proportions in this country, and is progressing in leaps and bounds, attracting the attention of our foremost educators and securing the support of our foremost business men. Indeed, the change in public sentiment and the widespread adoption of the central idea of commercial training is phenomenal and well-nigh revolutionary in the history of education.

The main cause lies in the fact that this is essentially a commercial and industrial nation. Even the agriculturist is becoming more and more a business man, and the day laborer finds commercial training a stepping stone to something better. Hence the rapidly increasing demand for trained men and women as Bookkeepers, Stenographers, Typewriter Operators, Penmen, Clerks and Assistants, in every avenue of business.

The time required to fit one's self in these lines is not so great that any need hesitate to avail themselves of the opportunity. The great drawback in undertaking this line of training has been the expense involved, only few young men and women being able to pay the enormous rates charged by the numerous business colleges. Most of these have been organized to instruct in one or two branches, and have no other means of support. Rent, light and fuel are high, and cost of living far exceeds that of a smaller place, so that they can ill afford to demand less than seventy-five to one hundred dollars tuition for a few months' course.

The College of Commerce of the Ohio Northern University is maintained for the distinct purpose of fitting men and women for business pursuits. Its graduates are ready to go into a business office and perform the work with accuracy and dispatch.

Located in a school town, a part of a great University, and having been training young men and women in these lines for more than thirty years, its advantages are unexcelled; here the cost of an education is extremely low.

All departments of the College of Commerce are open to inspection, and those who contemplate taking a business course, on investigating the results attained here, will see the manifest superiority of its system of instruction and training. Everything is thorough, practical and economical.



To those who are not sufficiently advanced to take up the work of the College of Commerce, the Common School Course is recommended. Students of the College of Commerce are entitled to any branches in the College of Liberal Arts for which they are prepared, free of tuition.

## BUSINESS DEPARTMENT.

### Course of Study.

#### FIRST TERM.

Theoretical Bookkeeping, Practical Arithmetic, Commercial Law, Spelling and Rapid Calculation, Penmanship, Typewriting.

#### SECOND TERM.

Practical Bookkeeping, Commercial Arithmetic, Commercial Law, Banking, Penmanship, Business English, Mimeographing, Letter Press Copying, Adding Machine.

#### THIRD TERM.

Office and Bank Work. The student deals with other pupils who are customers. He handles money, assumes all responsibility of an office, and attains proficiency and rapidity in office work.

NOTE:—Students are required to take Practical Arithmetic or pass an entrance examination in this branch.

Students desiring credit for work in Bookkeeping done elsewhere must present books worked out.

A grade of 85 per cent. in Rhetoric will be accepted for Business English.

### Initiatory Bookkeeping.

The object of the Initiatory Bookkeeping Department is to present to the student a thorough explanation and illustration of the fundamental principles of bookkeeping. The instruction is individual in method and illustrative in character. The student is carefully drilled in the fundamental and scientific principles of double entry bookkeeping, the forms of all classes of commercial paper, as notes, drafts, checks, bills of exchange, bank drafts, receipts, etc., and the laws relating hereto. After a thorough drill in journalizing, posting, making out business statements, trial balances and the methods of closing the different kinds of ledger accounts, including constant blackboard illustrations and practice, the student passes to more advanced work, where he is required to make use of the various papers necessary to perform such transactions.

Having satisfactorily completed the work in Part I., the student is placed in precisely the same position as if taken into a merchant's counting room.



The object of Part II. is to teach the practical application of the principles of debits and credits by the introduction of the Sales Book, Invoice Book, Cash Book and Pass Book.

Here the student makes his entries from invoices of merchandise bought, bills of merchandise sold, notes, checks, drafts, etc., received in the course of his business; deposits money in bank, draws checks and drafts, issues notes, makes out bills, etc.; in fact, he is a bookkeeper from the start, actually performing all his duties from the simplest to the most complex under the careful supervision of the teacher.

Frequent lectures and drills are given as to the matter of handling all kinds of commercial paper, the treatment of Shipments and Consignments, the changing of a set of books from single to double entry, the different ways of adjusting losses and gains in partnership settlements and numerous other principles necessary to a thorough knowledge of the work in hand.

### Actual Business.

One cannot become an expert accountant by reading a treatise or studying a manual. There is only one way to learn book-keeping and business work, and that is by experience. This school furnishes that experience in its Actual Business Department, which teaches business principles by requiring each student to make actual use of all of them.

Each student is given a capital with which he embarks in the General Merchandise business on his own responsibility. He has a business of his own which claims his attention and ability and requires him to bring into play all he has previously learned.

He is required to balance his books and prove cash every day. One business is closed out and another embarked in through a series of different businesses requiring different forms of books and papers.

He is required to make out all papers and go through all forms necessary to complete the work, and all books and papers are carefully graded and all errors corrected before he is allowed to enter the Office Work.

### Office Practice.

The student secures employment in a series of Real Estate, Brokerage, Commission, Stock, Railway, Insurance and Whole-



sale houses where he becomes familiar with the forms and methods of conducting each respectively, after which he is promoted to a place in one of the three banks. He is made familiar with the different kinds of books used by modern banks, such as the card and loose leaf systems, is given a thorough drill in Interest and Discounts from the practical standpoint and fills the different positions in the bank, such as Collection Clerk, Discount Clerk, Receiving and Paying Teller and Cashier.

Examinations are held at regular periods and each student is required to have his work right before he is promoted from one part to another. All instruction in this department is given on the individual plan, and each student is, therefore, advanced just as fast as his work warrants, and no faster. The work of this department is modeled on lines of originality. Its strongest features are not found in other Business Colleges; a student here having the privilege of taking work in the College of Liberal Arts and the Normal School at the same rates under specialists as teachers.

The graduate of the Business Department of the Ohio Northern University is a thoroughly competent bookkeeper, self-reliant, and, because of the diversity and scope of his training, ready to adapt himself to the varied conditions that confront a bookkeeper in the different lines of business in which he may be employed.

### Commercial Law.

While most commercial schools devote but little attention to this subject, here it is considered a very important branch. Only such topics are taken up, however, as will be of interest and use to everyone in business life; the aim being not to make lawyers, but to teach the essentials of the law so as to enable one to fully protect himself or employer.

Such subjects as these are considered: Contracts, Negotiable Papers, Agency, Partnership, Corporations, Liens, Interest and Usury Law of Partial Payments, Common Carriers, Guaranty and Suretyship, Bailments, Stoppage in Transit, Limited Partnerships, Law of Tender, Bankruptcy, Merger, Wills, Mortgages, Deeds, Conveyances of Real Estate, Etc.

The teacher of Commercial Law is a regular graduate of a Law School and holds the degree of LL. B.



There is a recitation each day an hour long, and use is made of the text and case method, as well as the lecture and quiz methods.

### Spelling.

A large per cent. of those who apply for positions receive no consideration at the hands of prospective employers on account of defects in their letters of application. A misspelled word is frequently the difference between success and failure. More stenographers lose positions on account of bad spelling than from any other cause.

In the drill here, students are assigned lessons from practical lists, and attention is given to the pronunciation and meaning of words and their use in the sentence, as well as to their correct spelling.

### Commercial Arithmetic.

Thorough drill is given in all the operations required in the ordinary transactions of business. Students are trained to use reason in obtaining results, instead of mechanically following some set rule or form. Special attention is paid to rapidity and accuracy in addition and the use of the shortest methods possible for computing interest and discount. Young men and women thus trained are able to solve the numerous business problems which arise in every business house, and which must be solved quickly and accurately.

Students already proficient in arithmetic can finish this part of the work quickly but those whose early education has been neglected must work until they make up, as far as possible, for the lack of early training.

### Time Required.

It requires from two to three terms to complete the Business Course, the length of time depending on previous educational preparation, application, aptness, and so on.

The college is desirous that its graduates shall fully meet the rigorous demands of business employers. This thorough preparation cannot be made in a day; time is an important factor in developing skill. And so no short cut, catch-penny courses are arranged either as to time or quality. The diploma



must be a recommendation of ability, as well as a certificate that the specific course has been taken.

To secure a diploma from this Department, the student must have a grade of at least 85 per cent. in all the branches named above.

Students may enter at any time, but all who can are advised to enter at the beginning of the term.

### Special Fees.

A fee of \$3.00 is charged on entering the Practical Business Department, for use of ledgers, commercial papers, etc. A fee of \$3.00 is charged for use of typewriter ten weeks, one hour a day. All who have paid the above fees are entitled to free use of the adding machine; others are charged \$1.00 adding machine fee. A deposit of \$2.00 is also required for college currency, which will be refunded when currency is returned, less deduction for loss. The applicant for currency must present his receipts for the above named fees.

### STENOGRAPHIC DEPARTMENT.

Young men and women cannot engage in a more lucrative business than shorthand reporting.

A large per cent. of the hundreds who write regarding this department, ask this question; "Is there a demand for stenographers?" The employment department of the Remington Typewriter Company is conducted through the regular offices in every important city in the United States. It supplies competent stenographers to users of writing machines, without charge either to the employer or the employee. The Dean has been in correspondence with the heads of this department in Chicago, Cleveland and Pittsburg. They assure him that they can place all who carry a diploma from the O. N. U. College of Commerce and a letter of recommendation from the Dean. Stenographers have unequalled opportunities for advancement. Whenever promotions are made the stenographer, from the very nature of his occupation, having become familiar with all the principles and methods of the business in which he is engaged, steps into the highest and best paid departments.

The Stenographic Department has one of the most complete and thoroughly practical courses to be found in any school in the United States.



It seems that many Shorthand Schools are striving to see how short and easy they can make the course. The ability to write 100 words a minute in shorthand and operate a typewriter is not all that is required. In order to secure the best positions and command the highest wages, the stenographer should have a thorough knowledge of spelling, penmanship, English, letter-writing, manifolding, letterpress work, mimeographing, filing letters, indexing, addressing envelopes, folding circulars,—in short, a drill in all the work of a general business office. An extra month or two spent in acquiring this practical knowledge is time and money well spent. Board, room and tuition are so low in Ada, that the complete course here costs less than the "Short Courses" advertised by many City Business Colleges.

The extensive correspondence of the University and of the College of Commerce is all dictated to the advanced students of this department. Arrangements have been made with the Deans of the different Colleges of the University and with several leading business men of this place to give their correspondence to the students of this department, as soon as they have acquired sufficient skill; hence each student has practical work in nearly every line of business, and the graduates are able to perform work in a general business office with more accuracy and dispatch than those who have had experience in one line only.

#### Course of Study.

##### FIRST TERM.

Stenography, Typewriting, Spelling, Business English and Letterwriting.

##### SECOND TERM.

Stenography, Typewriting, (including Manifolding and Letterpress Copying)  
Penmanship.

##### THIRD TERM.

Stenography, (Office Practice), Typewriting, Mimeographing, Penmanship.

#### Systems.

To the beginner the Graham System is recommended, but the Department is prepared to teach any of the leading systems—Pitman, Munson, Dement, Eclectic. Those who have progressed in any one of these systems before entering here are not asked to change from the system of their choice. A thorough acquaintance with these systems has convinced the head of the Department that the Graham is the most practical for all purposes.



It requires from five to eight months to complete the course. The College does not throw out the bait of a "short and easy" system. "Take a Complete and Practical Course in Shorthand, or let it alone."

Those who graduate from this department are required to have a grade in Penmanship, Spelling and Typewriting.

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### TYPEWRITING DEPARTMENT.

This is one of the most popular departments of the University. Here the student is trained in Letterwriting, Copying, Manifolded, Letterpress work, Form, Punctuation, Paragraphing, Capitalization, Filing and Indexing Letters, Mimeographing, and all the work of a general business office. Most of our typewriters consist of the latest models of the Remington. The fee is \$5.00 for term of ten weeks, two hours a day.

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### PENMANSHIP DEPARTMENT.

Every merchant or tradesman in search of a bookkeeper, stenographer or clerk asks for a specimen of his handwriting. Often the applicant fails because he cannot write a good, legible hand with speed and accuracy. The person who writes well secures the position in preference to all others, and receives the highest wages.

That the results obtained in penmanship in our public schools are not what they should be is evident from an inspection of the writing of the graduating classes of our high schools and from the oft-repeated remark of merchants that when boys and girls come from the public schools to the counting room, their hand-writing is impracticable and soon undergoes an entire change. The fault lies with the copy-book system of teaching penmanship and in the inefficient instruction given by the average public school teacher. They must be able to teach a free, easy movement instead of the cramped finger movement. Anyone who has sufficient ability to teach other branches successfully can teach writing by becoming thoroughly acquainted with its principles and insisting on a strict adherence to them.

In his instruction the head of this department aims to combine theory and practice, but the student is made to understand that the art is acquired through practice. Skill in penmanship




does not depend so much on correctness of letters as the movement with which they are written. Unless the movement be free, bold and untiring, penmanship loses its beauty and value. In this department care is taken to develop skill in a free, easy and rapid movement, giving zest and pleasure to an otherwise laborious task.

## EXPENSES.

### Tuition.

For one term, (10 weeks), in advance .....	\$ 10.00
For two terms, in advance .....	19.00
For three terms, in advance.....	28.00
For four terms, in advance.....	37.00
For five terms, in advance.....	45.00

 All students in the College of Commerce are admitted to the regular classes in the College of Liberal Arts without extra charge.

### Penmanship.

Business Penmanship, per term .....	\$ 2.75
Ornamental Penmanship, per term.....	3.25
Plain Penmanship, per term .....	2.50

In the Commercial Course the graduation fee is \$2.00.

Neatly executed diplomas are awarded to those who complete any regular course of study. Those preferring real parchment pay one dollar extra.

### Rooms and Board.

Good board in private families, \$1.65 to \$2.50 a week.

Furnished room, two in a room, per week, 50 cents to 75 cents each.

Light and fuel, per week, 5 cents to 30 cents.

Laundry, per week, 15 cents to 25 cents.

### Term Plan.

Thirty-four dollars in advance pays for tuition, board and furnished room for ten weeks. The Term Plan may begin at any time.



### Refunding.

In case of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. When the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor. At any future time he may re-enter the University by presenting his due bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.

Any one taking the Term Plan may at any time change to the ordinary rates, by paying full rates for the time in attendance. The balance of his board will be refunded; but room rent is not refunded until room is re-rented.



COLLEGE OF LAW.



## FACULTY.

H. S. LEHR, A. M., PH. D.,  
President Emeritus.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

S. P. AXLINE, A. M., LL. D.,  
Dean.

Pleading, Contracts, Real Property, Corporations, Etc.

F. B. WILLIS, A. M., LL. B.,  
Constitutional Law, Equity, Wills, Suretyship, Etc.

CHARLES H. FREEMAN, B. SC.,  
Rhetoric.

W. W. NEWCOMER, A. M.,  
Voice and Forensic Oratory.

EMMA O. HUFFORD,  
Auditor and Registrar.

## COLLEGE OF LAW.

The College of Law was established by the Trustees of the Ohio Northern University as a Department of the University, with H. S. Lehr, President, and J. Ross Lee, Dean, in the year 1885. Its alumni now engaged in the practice of the law are to be found in nearly every state and territory in the United States and every city in Ohio. The present Dean has been at the head of the College of Law since 1888.

## Its Object.

The aim of the founders of the College of Law was to afford an opportunity for young men of the country, of limited means, to secure the benefit of collegiate training in pursuing this line of study. It was made a department of the Ohio Northern University that law students might have all advantages of low rates for boarding, rooming and other general expenses, afforded by the University. On payment of the regular law tuition, one can pursue in connection with the law any literary work he may need or that may be required by the State in which he wishes to practice after his admission into the legal profession.



### Admission.

Students may enter the College of Law at any time but preferably at the beginning of a school term. Any one holding a diploma from a reputable college, academy or high school is admitted without examination; all others are required to furnish satisfactory evidence of a sufficient knowledge of the common branches to begin the study of law and to pursue it profitably. Examinations for this purpose are given when deemed necessary by the Law Faculty.

### Credit.

Credit is given for work done at any accredited law college or in the office of an attorney, when properly certified, or an examination is given and the student graded according to merit where he can show evidence of study but cannot produce proper certificate of the work accomplished.

### Length of Course.

The Course occupies three school years; the school year of 1910-11 beginning September 6, 1910, and continuing four terms of ten weeks each, ending about the first week in June. On the Tuesday following the close of the regular school year, a special term begins and continues for nine weeks. A student pursuing the regular course may make up during this special term any work which he has not completed in the regular year's work, or this term may be substituted for one of the other terms in the year's work when it is convenient for the student to make the substitution.

### Preliminary Work.

The preliminary literary work required for admission to the Bar examination may be taken in the University under the regular law tuition, and a diploma showing the completion of the Scientific, Literature or Classical course admits the student to the Bar examination in this State.

### Degrees.

The degree of Bachelor of Laws is conferred on students who have completed the prescribed course of study and possess the preliminary qualifications necessary to admit them to the Bar examination of this State, and have complied with the following requirements:



1. Regular attendance for three years in the Law College of the Ohio Northern University.

2. Students bringing credits for one year's study of law either in a college or law school of good standing or in an office of an attorney, the work being properly certified, may obtain a degree in two years.

3. Students having completed two years of study in a law school of good standing or in the office of an attorney, the work being properly certified, may obtain a degree in one year.

4. Students who have not completed the full year's work in an office or at a law college may complete this work during special terms by having the work which has been completed in the office or the law college properly certified.

5. Where for any reasons certificates cannot be obtained, examinations will be given by the Dean and the student graded from that examination.

### Recitations.

Each student attends from three to four recitations daily, in which he goes over prescribed lessons. These recitations are conducted principally on the quiz method, the best for individual instruction and help, but the lecture and case methods of giving instruction are combined with the quiz method in the class-room work. During the year the student is required to familiarize himself with the principles involved in leading cases on the various subjects, these cases being carefully selected by the instructor.

### Library Facilities.

There is a good law library connected with the University, to which all law students have access from 8 o'clock A. M. until 5 o'clock P. M., except during the noon hour. Students are not allowed to take any books from the Library, however, except on a written order from the Dean.

### Books Rented.

Arrangements have been made with one of our regular book-sellers by which the student may rent most of the text books used in the course at reasonable rates. Those not desiring to rent may purchase books at wholesale rates.



## COURSE OF STUDY.

## Junior Year.

Blackstone's Commentaries.....	Cooley	Code Pleading.....	Phillips
Elementary Law.....	Fishback	Private Corporations.....	Elliott
†Contracts.....	Clark	Torts.....	Cooley
Personal Property.....	Smith	†Domestic Relations.....	Tiffany
†Commercial Paper.....	Tiedeman	Quiz.....	
Real Property.....	Warvelle	Practice in Pleading and Procedure	
Sales.....	Tiffany	Lectures and Reviews.....	

## Middle Year.

†Evidence.....	Greenleaf	Real Property.....	Hopkins
Agency.....	Mecham	Civil Procedure.....	Fitnam
Common Law Pleadings.....	Shipman	Swan's Treatise.....	
Bailments.....	Schouler	Quiz.....	
Commercial Paper.....	Tiedeman	Advanced Moot Court Work.....	
Partnership.....	George	Practice in Pleadings and Procedure	
†Equity.....	Bispham	Lectures and Reviews.....	

## Senior Year.

†Constitutional Law.....	Black	Contracts.....	Clark
Legal Ethics.....	Sharswood	Code Pleading.....	Bliss
Real Property.....	Tiedeman	Quiz-General Review Work.....	
Equity.....	Bispham	Advanced Moot Court Trials.....	
Evidence.....	Bradner	Lectures on Conveyance and	
Private Corporations.....	Taylor	Abstracting.....	
Wills and Administrations of		Review of Digest and Statutory	
Estates.....	Whittaker	Law.	

†May be applied on courses in College of Liberal Arts.

The text books in the subjects mentioned above are subject to change from time to time, at the discretion of the Dean and Faculty.

## Special Work.

Classes preparing especially for Examination are formed at the beginning of the special summer term, the fall Term, the middle term, and the spring term. The work in these classes consists of a review of the most difficult text-books, digests of Ohio and other states, leading cases involving the general principles of the law on various subjects, statutory law, and special work prepared by the instructors, carefully taking up the leading topics in the law on which the student is to be examined.

## Moot Courts.

For the purpose of putting into practice what is acquired, Moot Courts are held each Friday afternoon, in which the student has actual practice of the various courts. He is required to get out all the papers necessary for the case, and to follow strictly every order of procedure. Pleadings, writs, motions, and journal entries, together with the principles of proceeding in appeal and error form a part of the work of the student in these courts, and every detail is looked after by the judge who sits in the case.



Juries are chosen, witnesses are examined, motions made and heard, and everything is made to conform as nearly as possible to the practice of the regular courts. The practice acquired during the course is much greater and more advantageous to the student than the actual work of the first few years of practice. Here his work is looked after and corrected, and he has the advantage of knowing when the work is properly done without the responsibility that attaches to it in the court room.

### Annual Enrollment.

The average annual enrollment in the Law College of the Ohio Northern University for the past ten years has been one hundred and forty different students.

The efficiency of the work done is seen in the success of the students in the Bar examination and in the actual practice of the profession.

### Alumni Association.

The Alumni of the College of Law have formed an Association and will hold the Alumni Reunion and Banquet on Wednesday evening of the week of the commencement, military contest, society reunions and general alumni reunion of the University.

### Advantages Offered.

1. The College of Law is part of a University enrolling more than two thousand students annually.
2. Three literary societies connected with the University admit the law student on equal terms with the literary student, and afford every advantage in the way of forensic speaking and debate, not in the presence of a few persons only, but before the hundreds of students who assemble in the three Society Halls on Saturday evening of each week.
3. There have been organized a number of Special Debating Clubs which meet once a week, where the student has opportunities of forensic speaking and debating in addition to that afforded by the regular literary societies.
4. The course is much less expensive than elsewhere, boarding, rooming and tuition falling much below the prices offered at the law colleges of the cities.
5. The student may enter at any time, but classes are arranged to suit his degree of advancement.



6. All recitations are held at stated hours under the direct supervision of one of the regular instructors, and the student gets from fifteen to twenty hours of recitations each week.

7. Students may take any literary work in connection with the law without having to pay extra tuition.

8. It is of primary importance in preparing for the legal profession that the student be thoroughly grounded in the great principles of the law. Without a full knowledge of these principles his career as a lawyer will be limited, unsatisfactory and unprofitable. Before he can begin the career of the lawyer, however, he must be admitted to the Bar. The College of Law undertakes not only to inculcate the great principles of the law, but also to aid the student in an especial manner in his preparations for the Bar Examination. The student, not left to his own devices in his review work preparatory to the Examination, for the last six months of his course, is under the special personal instruction of the Dean, who gives a thorough review of all the branches included in the Bar Examination. Dean Axline has made this line of work a specialty for nineteen years and his success is best known by the fact that practically all who have done their work under his instruction have passed the Bar Examination and have become successful in the practice of law.

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## EXPENSES.

### Tuition.

The tuition for the College of Law is \$12 for a term of ten weeks, \$23 for 20 weeks, \$34 for 30 weeks, \$45 for 40 weeks, or \$55 for a year of 47 weeks, if paid in advance.

### Room and Board.

Good board in private families, \$1.65 to \$2.50 a week.

Furnished room, two in a room, per week, 50 cents to 75 cents each.

Light and fuel, per week, 5 cents to 30 cents.

Laundry, per week, from 15 cents to 25 cents.

Self-boarding reduces these expenses somewhat.

For general catalogue and special information concerning the College of Law, address,

CHAS. B. WRIGHT, Cor. Sec'y.



## COLLEGE OF PHARMACY.

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### FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

D. C. MOHLER, PHARM. G., PHARM. L.,  
Dean.  
Pharmacy, Materia Medica, Toxicology.

LENIX C. SLEESMAN, PHARM. G., PHARM. C.,  
Director of Laboratories.  
Advanced Chemistry.

JESSE BEER, B. SC.,  
Physics, Elementary Chemistry.

GROVER C. KREGLOW, M. S., A. B.,  
Microscopy, Physiology, Botany.

HENRY WHITWORTH, A. M.,  
Latin.

WILLIAM GROTH, A. M.,  
German and French.

EMMET E. LONG.  
Penmanship.

FRANK B. WILLIS, A. M.,  
Commercial Law.

(To be supplied)  
Mathematics.

F. L. BERGER,  
Assistant in Physics and Chemistry.

EMMA O. HUFFORD,  
Registrar.



## Requirements for Admission to Schools and Colleges of Pharmacy.

**Resolved,** That on and after July 1, 1905, no school or college of pharmacy shall be recognized as in good standing by the Ohio Board of Pharmacy which does not require of all applicants as a minimum condition of admission, a common school education or the equivalent thereof, which shall include one year in high school of the first grade (Ohio) or any academy, legally constituted, providing a course of study of not less than four years.

**Provided,** That nothing in this resolution shall apply to students who have matriculated previous to November 1, 1904, in any school or college of pharmacy heretofore recognized as in good standing by the Ohio Board of Pharmacy.

## Requirements Demanded of Schools and Colleges of Pharmacy.

**Resolved,** That on and after July 1, 1905, every school or college of pharmacy shall comply with the following requirements as a condition of being recognized as in good standing by the Ohio Board of Pharmacy.

1. It shall exact the requirements for admission to schools and colleges of pharmacy adopted by the Ohio Board of Pharmacy (October 13, 1904.)

2. It shall possess an adequate equipment for teaching pharmacy in all its branches, including laboratory facilities and apparatus.

3. It shall have an adequate and competent faculty for instruction in the following branches: Pharmacy, Chemistry, Materia Medica, Microscopy, Physiology and Botany.

4. It shall require an attendance of 80 per cent upon two graded courses of instruction in branches specified (in Article 3) of not less than 26 weeks each excluding holidays, in two separate years.

5. It shall exact an average grade of 75 per cent. on examinations as a condition of graduation.

6. It shall admit students within thirty days after the opening of any school year, and it shall confer degrees in pharmacy only at the close of each school year upon the completion of the prescribed course of study.



7. Any college may honor official credentials issued by other colleges of pharmacy in good standing as determined by this board, so far as the work offered is the equivalent of or identical with the required work of the school to which credentials are presented, except in branches of study embraced in the last year of its own curriculum.

### **Who Can Enter the College of Pharmacy ?**

Any one having a preliminary education equivalent to the first year in a High School of the first grade. This means that as a minimum the applicant must have had a year of instruction in the following: Algebra, English, Natural Science, History, (United States or General History), and must have reached the age of seventeen years. If he cannot present certificates of grades in these branches an entrance examination is required before matriculation. This examination, however, is demanded of those only who are candidates for the degree of Pharmaceutical Graduate. Those having had four years practical experience and desiring to prepare for state examinations, need not present certificates as above mentioned. (See Quiz Course.)

### **When to Enter.**

The Management of the University, knowing the worth of time and money to those dependent on their own resources, has adjusted the date of entrance and the course of study to suit the conditions of the student. It is found that a large majority of drug clerks and other young laboring men are not through with their summer's work soon enough to enter as early as colleges generally open. The College of Pharmacy, therefore, opens on the second Tuesday in October and continues thirty-two weeks, with an intermission at Christmastide. This arrangement has at least two advantages: first, a longer time to work behind the counter; second, the completing of the course just in time to take the State Examination in June, when the student is best prepared for it.

### **Why Attend the O. N. U. College of Pharmacy ?**

The majority of those seeking a school of pharmacy are after a school where a practical and thorough course is offered at the least expenditure of time and money. Attention is respectfully called to the following pages descriptive of the facilities and



work offered in the O. N. U. College of Pharmacy, and a comparison with other pharmacy schools challenged. It is believed that nowhere else are more complete courses offered, is more thorough work done, or is the needful expenditure of hard-earned money less than here.

## THE JUNIOR YEAR.

### Practical Pharmacy.

The College has two Pharmaceutical and Dispensing Laboratories complete in every detail. The desk arrangement is such as affords the student every facility for complete and thorough work. Each table is supplied with an entire outfit of apparatus (with storing closet), and each student receives full instruction in the manufacture of Waters, Spirits, Tinctures, Liquors, Extracts, Fluid Extracts, Abstracts, Infusions, Decoctions, Oleates, Ointments, Cerates, Plasters, Papers, Suppositories, Emulsions, Collodions, Elixirs, Mucilages, Official Salts, and the more important unofficial preparations. The work embodies all the processes of Weighing, Measuring, Ignition, Calcination, Torrefaction, Incineration, Sublimation, Evaporation, Distillation, Desiccation, Granulation, Crystalization, Precipitation, Dialysis, Filtration, Clarification, Decoloration, Extraction, Percolation, etc.

### Chemistry—Junior Course.

The laboratory for practical chemical work is also fully equipped with all the accessories necessary in obtaining a thorough knowledge of chemical analysis and synthesis. In this laboratory, open at all hours, the student is required to perform a satisfactory amount of analytical and synthetical work under the personal attention of the Professor of Chemistry and an able assistant. A graded course is pursued, and the instruction given is carefully adapted to the proficiency of the student.

The work is divided into two parts, commencing with the most simple reaction between the inorganic bases and acids, gradually advancing to the more complex reactions of the inorganic bodies, and carbon compounds.

The greatest care is taken to inculcate a thorough and comprehensive knowledge of characteristic chemical reactions, thus enabling students the more readily to determine the purity of their drugs and chemicals.



### Botany and Materia Medica.

The first part of this work is devoted to the study of Elementary Botany. It includes the various organs of plants, as roots, rhizomes, stems, leaves, barks, flowers, cells, etc. This is followed by the study of Materia Medica, in which special attention is given to the classification of the vegetable and animal drugs, the specific names, properties, uses, doses, chief constituents, and methods of isolating them; synergists, incompatibles and adulterations.

### Pharmaceutical Arithmetic.

A training class is organized for special drill in balancing chemical equations and practice in pharmaceutical arithmetic. To this and also to any class in the College of Liberal Arts, pharmacy students are admitted without extra charge.

### Textbooks.

Students may use either Remington's, Arney's or Casperi's Pharmacy, Remsen and Bartley's Chemistry; Sayers', Culbreth's or Wilcox's Materia Medica; Bastin's, Wood and Gray's Botany; Sturmer's Pharmaceutical Arithmetic. Reference Books (to be found in College library)—U. S. Pharmacopoeia, U. S. Dispensary, American Standard Medical Dictionary.

### Pharmaceutical Association.

Connected with the College is a **Pharmaceutical Association**, to membership in which each regularly enrolled student is eligible. The membership fee is one dollar, with no dues to be paid afterwards. The fee is applied to the building up of Pharmacy Library, and the members of the Association, as long as they remain in the school, have library privileges and free access to all the best and latest Pharmaceutical journals and periodicals.

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## SENIOR YEAR.

### Practical Pharmacy.

In this part of the work the student is required to make up extemporaneous pharmaceutical preparations, as is done in all first-class drug stores and fill *bona fide* physician's prescriptions from them. He is also required to test them for purity and strength, in compliance with the U. S. P. (eighth revision). This work is a very important factor in developing tact, skill and ability.



### **Chemistry—Senior Course.**

The work in Chemistry in the Senior course consists of a thorough study of the problems, embracing every form of chemical mathematics. Particular attention is given to volumetric and gravimetric methods of analysis. In view of the requirements of the Pure Food and Drug Law, special instruction is given in the analysis of foods. By combining lectures with thorough laboratory drill, the instructors assure the graduates a comprehensive knowledge of analytical methods—a point of superiority in this College.

#### **Microscopy.**

A practical course in Microscopy is offered to Senior students. Not only is explanation given regarding the mechanism of the instrument, and direction in operating and caring for it, but also instruction and practice in the processes of preparing, staining, mounting and preserving specimens. Plants and drugs are studied under the microscope, to train the student in detecting and identifying adulterations. Recently several first-class microscopes of high power have been added to the equipment.

#### **Human Physiology.**

Ten weeks of five class periods each are devoted to the course in physiology, which embraces especially a study of the organs of respiration, digestion, circulation, the nervous system, the assimilation of food, and the physiological and therapeutical effects of drugs upon these organs.

#### **Materia Medica, Therapeutics and Toxicology.**

Throughout the Senior year, there is a study of official and unofficial drugs, their constituents, official preparation, therapeutic effects, toxic properties and antidotes, closing with a discussion of Toxicology and Incompatibilities.

#### **Textbooks.**

The textbooks for this course are the same as those mentioned for the Junior Course, and, in addition, Coblentz's or Muter's Volumetric Analysis and Assaying.

**Reference Books** (to be found in College Library)—U. S. Pharmacopoeia (eighth revision), U. S. Dispensatory, National Dispensatory, Sutton's and Fresenius' Volumetric Analysis.



### Equipment.

The laboratory equipment for advanced course has recently been increased by the addition of a complete outfit and Gold and Silver Assaying and other metallurgical work. The apparatus includes a Bosworth Ore Crusher, Weatherhead Mortar, Hoskin's Crucible and Muffle Furnace, Tongs, Crucibles, Scorifiers, Roasting Dishes, Cupels, Platinum Ware and other necessary appliances, supplied by the firm of E. H. Sargent & Co., of Chicago. The Pulp and Assay Balances were made by special order for the laboratory by the manufacturers, Messrs. Voland & Von Zelm, and are of the best and most delicate construction. The equipment is of the very best in every particular and the student will find the work most practical.

### SYNOPSIS OF COURSES.

#### Junior Year.

Practices of Pharmacy; Elementary Chemistry, Botany, Materia Medica, Chemical and Pharmaceutical Laboratory Practice, Chemical Equations, Pharmaceutical Arithmetic.

#### Senior Year.

Study of Organic Pharmacal Chemistry, Materia Medica, Physiology, Microscopy, Pharmacal Laboratory, Magistral Pharmacy, Organic Chemistry with Volumetric and Gravimetric Analysis, Prescription Writing, Compounding, Urinary Analysis.

#### Requirements for Graduation.

Each student is required to pass, with satisfactory grades, an examination at the end of each quarter's work, and the final examination upon the entire course. There will be no deviation from this rule.

Seniors are not permitted to leave before the final examinations are concluded, under any circumstances.

The degree conferred is that of Pharmaceutical Graduate (Pharm. G.).

#### Special Courses.

Students wishing to pursue an extended course for three years, for the degree of Pharmaceutical Chemist (Pharm. C.), first complete the course for the degree of Pharm. G., after which the work is extended. Students who have graduated from schools requiring an equal amount of laboratory work are admitted to the second year on presentation of proper credentials. Much of the work is elective, and is divided into courses of eight months each.

To obtain the degree of Pharm. D. (Pharmaceutical Doctor), the candidate must be twenty-one years of age, must hold a



standard High School diploma, and must have had four years of practical experience in a store where prescriptions are filled; must be a graduate of this College of Pharmacy, and must take an additional course, specializing on formulae and assaying of crude drugs. The work requires about twenty weeks for its completion.

### Special Quiz Classes.

Beginning the second Monday in June and continuing for a period of twelve weeks the College will give special quizzes (in all the subjects) for the benefit of any desiring to prepare for the State examinations. The work done in these classes will receive no credit in the regular work. No laboratory work is given in this course, nor are credit sheets issued. Students may enter these classes without entrance examination and at any time within the period mentioned above.

Tuition for this course, two dollars a week.

### EXPENSES.

Matriculation.....	No fee
Tuition for 32 weeks .....	\$ 50.00
Deposit fee in Pharm. Laboratory, including drugs. ....	10.00
Chemical Laboratory fee, per Semester.....	10.00
Diploma .....	5.00

~~\$50~~ The tuition fee for the entire 32 weeks must be paid in advance.

A small laboratory fee is charged in Microscopy.

Students are required to replace all broken or damaged apparatus.

Drugs and chemicals are furnished by the College at a trifle above cost.

Rooms at 50c to \$1.25 and board at \$1.75 to \$2.25 per week

### Advantages.

At least one thousand hours of practical laboratory work is required in the course.

Superior advantages are offered to registered "Assistants" who wish to review for examination as "Pharmacists".

In the reading room all the leading journals in Pharmacy may be found, and in the library hall all the books needed for reference.

The courses are so arranged as to bring each student into recitations and laboratory work each school day except Saturday, and not twice a week, as in nearly all other schools.

The Dean will be glad to give further information to anyone so desiring. Address,

D. C. MOHLER, Dean.  
Ada, Ohio.



## COLLEGE OF MUSIC.

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### FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

CHARLES SANKEY WENGERD,  
Dean.

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CHARLES S. WENGERD,  
Voice, Counterpoint, Choral Class.

MAY ALCOTT LANCE, MUS. B.,  
Piano, Organ, History, Theory.

IVA I. ALBAUGH,  
Piano, Voice.

VERA WATSON,  
Violin.

ANNA VERNON,  
Harmony, Rudiments, Ear Training.

SHILO SHAFFER MYERS,  
Public School Music.

CHARLES U. FREUND,  
Cornet.

FRANK SYLVESTER WOODROW,  
Trombone.

W. W. RUNSER,  
Saxophone.

WILLIAM GROTH, A. B.,  
German, French, Italian.

EMMA O. HUFFORD,  
Auditor and Registrar.



### The College.

This school is established for the purpose of affording superior advantages in pursuing the study of music seriously.

The affinity existing between literature and the arts naturally suggests the University where the two may be studied together. This College of Music is therefore splendidly located in the midst of the University life of the O. N. U. Its surroundings are those of the college community, where there is no lack of concentrated interest and enthusiasm, the College of Music being the center of all musical interests. The systematic lessons, the regular practice and the animated and artistic atmosphere are conducive to the best possible work and corresponding achievements. Loyalty to one's calling begets enthusiasm; enthusiasm begets work and earnestness and work beget great results. These things constantly are instilled into those who become students of the O. N. U.

The general plan of the school is that of the best conservatories in this country and elsewhere. Its aim is broad, sound and intelligent musicianship from the very foundation of a musical education. The courses are so planned as to secure the symmetrical development of the musical faculties, which is essential to the true musician, whether teacher or virtuoso.

With her splendid teaching force, good equipment and congenial surroundings, the O. N. U. College of Music stands on the threshold of enlarged opportunities and a still more successful career.

### Equipment.

The College of Music boasts an almost entirely new Equipment. The two-story fireproof building, recently constructed, with sound-proof walls and every modern convenience, is planned for the comfort and accommodation of the music student. The practice rooms, light, well ventilated and tastefully decorated are furnished throughout with new pianos, while the teachers' studios, reception hall and recital hall, all on the first floor, are artistically arranged and furnished. A large pipe organ and two grand pianos are valuable additions to the general equipment.

### Graduation Requirements.

To complete the entire course of Voice, Piano, Violin or Organ will require at least four years under ordinary circum-



stances, the time, however, depending largely on the natural talent and degree of proficiency of the student at the time of entrance. The following shows what is required for graduation in each subject:

**Voice**—Private voice lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Ensemble Singing, Sight Singing and Graduating Recital. Enough Piano must be had to enable the student to play his own accompaniments.

**Piano**—Private Piano lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Ensemble Playing, Graduating Recital.

**Violin**—Private lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Ensemble Playing, Graduating Recital.

**Organ**—Private lessons, 5 terms of Harmony, 3 terms of Counterpoint and Canon, 3 terms of Musical History and Theory, Graduating Recital.

**Public School Music**—Besides the prescribed course, 2 terms of Harmony, 2 terms of Ear Training and at least one year of private voice lessons.

No student will be graduated unless he has spent at least one year in this institution.

A Post Graduate course is offered, which requires one year more of work in any of the courses mentioned above. The degree "Bachelor of Music" is granted to those completing this course. The candidate must have completed a first class High School course, or its equivalent.

### Vocal Department.

This department offers a broad, comprehensive course, and one that tends to develop the voice free from all forcing. To this end great care is first given to the proper condition of breathing and its control in singing. All artificial and mechanical devices are strongly condemned, as only tending to confuse and hinder the student and to harm the voice. Great care is given to a clear, easy emission of tone and the placement of the voice, since herein lies the ruining or making of a voice. The method that forces the voice will never make one. The complete relaxation of all the muscles of the throat, chin, tongue and face by natural means is absolutely necessary to produce a tone of



beauty and brilliancy. This can only be done by a complete, concentrated, vitalized muscular action within the body below the chest. This also embraces the absolute control of the breath from the diaphragm.

The modernized idea of the old Italian method of singing is used as a foundation of instruction. Special breathing exercises, exercises for placing the voice and bridging over the registers, and exercises for agility and flexibility are given. Sieber's Eight Measure studies are used at first, then follow studies selected from the large field of Vocalizes that are especially suited to each individual student. Finally, the Masterpieces of Vocalization are used and completed. Songs are given as soon as the individual voice will permit, at which time great care is given to articulation and enunciation, especially of the English language. To be a singer and not to be able to sing English and be understood is not singing in the truest and most artistic manner. Songs are selected from the great field of ancient and modern song writers. In the most advanced work selections are given from the best oratorios and operas.

### Piano Department.

Owing to the great diversity of needs of individual piano students, it is impractical and well nigh impossible to outline a specific course that can be adhered to and obtain the best results from each pupil. Then with such a wide field of old, and constantly increasing amount of valuable new material, from this standpoint also it is not thought advisable or practical to be specific.

Great care is taken with all grades of students and since there are no under teachers each student receives the same superior instruction. All the scales, arpeggios, chords, etc., in many forms are used; special etudes of different grades and styles are selected to better develop the physical and connect it with the intellectual; and all grades of compositions from the classic and romantic school of the past and present are used.

### Violin Department.

This department is now placed on a high plane, and has been greatly strengthened by securing the present teacher as head of this department. What has been said concerning the impracticability of outlining a specific course for piano is also true in Violin instruction.



With perhaps the exception of the piano the violin is the most universally accepted and used instrument. Its capacity for melody and varied emotional expression approaches closely the human voice. Certainly no instrument is so hard to master, but when mastered, so capable of stirring the emotions of man. The course comprises special technical exercises for the individual student. All manner of etudes and studies, as well as compositions from the ancient and modern composers are used.

### Organ Department.

A fine two-manual organ is provided for use in this department. The course provides for all that is necessary to a mastery of the organ for church music, voluntaries and improvising, drill in technics, pedaling, registration and accompanying. Compositions from the different schools of organ playing are given. Before taking up organ the student should have had at least three years of piano.

### Teachers' Course.

In the various branches of music there is always a certain class of students not especially gifted as performers but often well qualified to teach. For this class this special course is offered.

The work is the same as for all graduates except that the student is required to study Pedagogy some time before graduation. The pupil is not required to give a graduating recital.

### Harmony, Counterpoint.

A thorough knowledge of Harmony and Counterpoint is essential to a complete and broad musical education, and whether the student has graduation in view or not he is urged to take up these studies.

The work consists of gaining a knowledge of keys, intervals, signatures, scales and chords of all kind, melodic changes, etc., the harmonizing of melodies and inventing and harmonizing of original melodies. Emery's Harmony is used.

Two, three, four, six and eight part counterpoint, and imitation is taught. Ayer's "Counterpoint and Canon" is used as a text.



## History and Theory of Music.

A complete study is made of music from the beginning. Early Christian Music, Polyphonic, Monophonic and the development of Instrumental Music, Opera, Oratorio and Orchestral Music, Biographies of the great musicians, past and present.

Baltzell's History is used. Elson's Theory is used as a text and embraces the study of acoustics, the orchestra and its instruments, musical rhythms, signs, embellishments, and the many different musical forms.

## Ear Training.

This study aims at the special cultivating of the ear to a quicker and more accurate perception of pitches, scales, notation, studies in rhythm, motives, phrases, chromatics, modulations, two, three and four part exercises, imitation. Heacox's Ear Training is used as a text.

## Post Graduate Course.

A special course is offered for the first time to graduates, or advanced pupils of voice, piano, violin or pipe organ, consisting chiefly of acquiring a repertoire. The degree of Bachelor of Music is awarded to those satisfactorily completing this course, which requires one year.

## Course for Public School Music Supervisors.

### Entrance Requirements.

The candidate for admission to this course must have a High School education or the equivalent, together with the ability to sing correctly, read ordinary music at sight and play upon some one instrument, Piano or Organ preferred.

### Required Studies.

Two terms in Voice Culture; two terms in Harmony; one term in Form and Composition; one term in History of Education; one term in Elementary Psychology; one term in Pedagogy and Methods; two terms in History of Music and three terms in Grade Outline work, Organization and Supervision.

The entire course may be completed during three Summer terms, and upon completion a diploma will be granted.



First Term: Harmony, History of Education, Elementary Psychology, Class in Sight Reading, Grade outline work, Organization and Supervision.

Second Term: Harmony, Voice Culture, History of Music, Grade outline work, Organization and Supervision.

Third Term: Form and Composition, Voice Culture, Pedagogy and Methods, Grade outline work, Organization and Supervision and Chorus conducting.

Students desiring to complete the Grade—Teachers Course will be required to take one term in Grade outline music work, and one term in the Rudimental and Sight Reading class.

The class in rudiments of Music and Sight Reading is open to all taking the Teachers' Course.

Tuition per term, \$12.00, including all of the above named branches, except lessons in Voice Culture, which are private and for which a tuition of \$12 is charged.

N. B.: The work that may approximately be done in each grade will be taken up separately. Students may enter any or all grades:

### Courses for Rural Teachers.

The work done in this place will be a practical demonstration of the gradual unfolding of the subject in accordance with the physical, mental and social development of the child, including a study of the various problems to be met in the ungraded school. This course also includes the first four years for Grade Teachers.

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## SPECIAL ADVANTAGES.

### Student Recitals.

Students' weekly recitals are held regularly, at which time all grades of pupils from all departments are given the opportunity and valuable experience of appearing before an audience. At the close of each term the more advanced students give a public recital to which the public is admitted.

At frequent intervals the College of Music Faculty give recitals, at which there is an explanation of the music performed, thus affording the student the opportunity of becoming more intimately acquainted with the best grade of music well performed.



### O. N. U. Choral Society.

Two concerts were given the past year by the Society—Cowen's "The Rose Maiden" in the month of January and Mendelssohn's "Saint Paul" at commencement time.

A revival of interest as well as a very high order of work have characterized the efforts of the Society during the year. So marked has been the high quality of the work that visiting solo artists have been most enthusiastic in their praises.

The Society aims steadily to raise the artistic standard rather than greatly increase its numbers; an examination, therefore, is required of all applicants for admission to the Society.

Applicants from all departments of the University and from the town are invited. There is no question about the value of the training to be obtained by regularly attending the rehearsals of such an organization. The rehearsals are held on each Monday night throughout the year excepting the Summer term.

### Artists' Recitals.

Following are the artists and organizations heard during the season of 1909-1910:

Cincinnati Symphony Orchestra.  
John Hersch, Baritone.  
Alice Shields, Pianist.  
Theodor Bohlmann, Pianist.  
Gwilym Miles, Baritone.  
Grace Hall-Riheldaffer, Soprano.  
Niels Hougaard Nielson, Tenor.  
Oley Speaks, Basso.

These artists' recitals are secured especially for the culture and education of the music students of the College of Music.

There is no other means of so greatly broadening and elevating the standard of musicianship among music students as by hearing the great artists of our country and Europe; the management has thought best to make attendance at these recitals compulsory by charging each student the small term fee of \$1.00. The fee paid entitles the student to a free ticket to all the artist recitals of the term.

### Male Chorus.

The chorus is open to all men of the school with suitable voices. This chorus has about thirty members and appears in concert several times a year.



### Operatic Club.

This organization furnishes opportunity for actual stage practice and experience. Operettas and Operas are completely staged and sung by the vocal students of the school. Several works are given each year, under the personal direction of Mr. Wengerd who has had great success in this line of work.

### Church Choirs.

A large chorus choir at the First M. E. Church is under the direction of Mr. Wengerd, and other churches of the city maintain splendid choirs. Students are invited to join one of these choirs.

### Rudiments and Sight Reading.

A class in rudiments and sight-reading is organized each term, meeting five times a week and free to all music students and those in the College of Liberal Arts.

### Orchestras.

The three Literary Societies each have good orchestras to which all players of orchestral instruments sufficiently advanced are admitted.

### Electives in Literary Courses.

The following subjects may be applied on courses in the College of Liberal Arts: Harmony, 15 hours; History of Music, 10 hours; Theory of Music, 5 hours.

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### EXPENSES.

Piano, Organ, Voice, Violin, Cornet, or any other instrument, term of ten weeks, two lessons a week.....	\$15.00
One lesson a week.....	8.00
Harmony, per term.....	6.00
Public School Music, per term.....	6.00
Counterpoint.....	6.00
Ear Training, in class.....	3.00
History of Music, in class.....	3.00
Theory of Music, in class.....	3.00
Use of Pipe Organ, one hour a day, per term.....	5.00
Tuition for Rudimental Music, per term.....	2.50
Piano Rent, one hour a day, per term.....	2.00
Clavier Rent, per term.....	1.00
Rent of moter for pumping Pipe Organ, per hour.....	.10



### Graduation Fee.

In the College of Music the graduation fee is \$3.00. Beautiful and neatly executed diplomas are awarded to those who complete any regular course of study. Those preferring real parchment will be charged one dollar extra.

### Board and Room.

Good board in private families, \$1.65 to \$2.50 a week.

Furnished room, two in a room, per week, 50 cents to 75 cents a week each.

Light and fuel, per week, 5 cents to 30 cents.

Laundry, per week, 15 cents to 25 cents.

Self-boarding reduces these expenses somewhat.

### Regulations.

1. All tuition payable in advance.
2. Credit will be given for work done elsewhere, and the pupil will be allowed to enter the grade for which he is prepared.
3. No allowance is made for absence from lessons except in case of protracted illness.
4. Pupils who will not practice will not be retained.
5. Applicants must consult the Dean before registering.
6. No student in this institution will be allowed to receive instruction from any teacher outside the school. This rule will be rigidly enforced.
7. All candidates for graduation from any of the prescribed courses will be obliged to pass a satisfactory examination before the College of Music Faculty before entering the Senior year.

### Refunding.

In case of protracted sickness of the student, tuition is refunded for the unexpired time, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. When the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor. At any future time he may re-enter the University by presenting his due bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.



## NORTHWESTERN OHIO SCHOOL OF PIANO TUNING

D. O. BETZ, Director.

The School of Tuning is located in a 17-room building, with studios and workshop, each fitted up with pianos, organs, working models of leading piano actions, necessary tools, and a technical library on the subject of tuning.

### The Field.

Owing to the popularity of the pianoforte, our homes and public institutions are becoming supplied with that type of instrument at the rate of 275,000 a year. Several million previously existed. All require periodical tuning and adjusting, and the field is necessarily immense.

### Remuneration.

Charges for professional piano tuning range from two to five dollars, or about a dollar per hour. Adjusting and repairing are additional.

### Who Can Learn ?

Men and women of perfect hearing and of a slight mechanical turn, may, with proper effort on their part, become good tuners. Knowledge of music is slightly preferable, though not necessary.

### Length of Course.

With the remarkable "concentration" system of this school, the student covers the course in from five to seven weeks and does it well.

### Tuition.

Tuition for complete course in Piano Tuning is \$100, and students should come prepared to invest from \$25 to \$40 in a kit of good tools. Room and board extra.

### When and How to Enroll.

Enrollment may be made at any time by addressing the Director, who will forward enrollment blank, which should be carefully filled out and again returned. From this, eligibility to entrance will be determined, and advice forwarded by return mail.

### May Be Studied With Other Courses.

When student so desires, time will be drawn out to admit other studies. In such case, intentions should be signified on application blank.

Special catalogue sent on request.

Address, D. O. BETZ, Ada, Ohio.



NEWCOMER'S  
SCHOOL OF EXPRESSION.

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FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

W. W. NEWCOMER, A. M.,  
Expression, Oratory, Voice, Bible Reading,  
Impersonation, and Character Study, Methods of Teaching.

JENNIE BOWMAN,  
Specialist in Physical Training, Expression, Juvenile Training.

CHAS. H. FREEMAN, B. LIT.,  
Rhetoric and Literature.

.....  
Logic, Psychology.

SAMUEL P. AXLINE, A. M., LL. D.,  
Legal Ethics, Parliamentary Law, Sociology.

FRANK B. WILLIS, A. M., LL. B.,  
Evidence.

EMMA O. HUFFORD,  
Auditor and Registrar.



### History.

Newcomer's School of Expression was founded in 1900 at Ada, Ohio. In order to make it a permanent institution and, with the years, to increase its influence, on May 1, 1908, the founder entered into a contract with the trustees of the Ohio Northern University that on and after September 1, 1908, the School of Expression should be conducted under the management of the O. N. U., with Professor Newcomer in charge.

### Aim.

This school maintains that expression is the manifestation of individual character, a revelation of personality, and that mechanical "systems" and "rules" based on imitation fail to develop and reveal the powers of the individual. It therefore aims to give to professional men and women and all others seeking instruction in expression such thorough training as will enable the individual soul easily and rightly to express itself.

### Courses of Study.

1. **General Culture Course:** This is the standard course of the school and is intended to meet the demands, not only of those who contemplate a professional career, but of all desirous of acquiring the ability of ready and pleasing utterance.

Each student is given one hundred and fifty lessons and ten private lessons each term. Ordinarily forty weeks are needed for the completion of the course.

#### Outline of Course.

Voice culture and development. Elements and principles of expression. Criticism and rendition. Dramatic art. Physical training. Impersonation. Shakespeare. Debating. Parliamentary Law. Construction, arrangement and delivery of original orations. Study and analysis of noted orations. Stage business and makeup. Nature study, original problems, philosophy of expression.

Each student completing the course is required to have a repertoire of at least twenty-five productions averaging ten minutes in length.

2. **Professional Course:** This course is arranged for those contemplating a platform career. The instruction is adapted to the needs of the student's intended profession.

#### Outline of Course.

**First Year:** Same as General Culture Course.

**Second Year:** Advanced Voice Culture. Shakespeare study. Impersonation and character study. Cutting and arranging novels and plays for



monologue representation. Staging and presentation of Shakespearean and other classic dramas. Original discussions. Advanced criticism. Bible reading. Oratory and debate. Physical training including fencing. Stage business and makeup.

Each candidate for graduation is required to have at least forty approved productions and some monologue requiring from one hour to one hour and a half for presentation.

**3. Oratorical Course:** This course is arranged especially for those who wish to make public speaking a profession. It prepares the student for the lecture platform and the delivery of original productions.

A candidate for graduation must be a graduate of an approved college or university. Forty weeks are needed for the completion of the course.

#### Outline of Course.

Instruction in voice culture, physical training and the general principles of expression as in the General Course. History of Oratory. Study of the great orations of the world. Debating and argumentation. Parliamentary law. Memorizing and delivery of select orations. Criticism. Original problems. Preparation and delivery of at least ten original orations. Preparation and delivery of at least one complete lecture.

**4. Clergyman's Course:** This course is essentially the same as the Oratorical Course except in the subject matter used. A special study is made of the great pulpit productions.

#### Outline of Course.

In addition to the regular work required in all the courses the student must prepare and deliver at least ten sermons. Special attention given to the vocal and literary interpretation of the Bible. The Bible in worship. The art of the Master. The literary, narrative, didactic, oratoric, allegoric, lyric, dramatic, and epic spirit. Rhythmic actions of the mind. Discrimination in thinking. Method of the imagination. Sympathetic identification. Selection and arrangement of the lesson. Harmony of the service.

**5. Dramatic Course:** This course meets the demands, not only of those contemplating a stage career, but of all interested in dramatic art in its truest and best sense. Two years are required for its completion.

The work is very practical, more so than that of the schools devoted exclusively to dramatic training. All plays rehearsed are presented before refined and cultured audiences. Nothing but the best is given, and every play is carefully prepared before presentation. A number of Shakespearean productions are given each year.



### Outline of Course.

**First Year:** Training largely the same as in the General Culture Course.

**Second Year:** A special study of the drama psychologically and interpretively. A study of the master artists. The student is assigned the leading part in all plays given by the school. Training in all stage business.

Each graduate must pass a thorough and rigid examination and prove to the faculty in his public work that he possesses dramatic instinct in a sufficient degree to warrant his making the work a success.

**6. Physical Training Course:** This course offers an opportunity for study in every line of training given in the best schools. It may be taken in connection with regular college work, and is really the gymnasium of the University.

The course includes correct breathing, poise, standing, walking, proper bearing, harmonic gymnastics, Swedish gymnastics, clubs, wands, dumb-bells, fancy drills and marches, fencing pantomime and gesture—training for the proper harmonious development of the entire body, under the direction of teachers who are specialists in this line.

The attention of public school teachers is called to this course as especially suited to their needs and fitting them for greater usefulness in their schools and, incidentally, increasing their earning capacity.

**7. Stammerer's and Speech Defects Course:** The instruction in this course is usually private, yet much of the work can be taken in class. All kinds of speech defects are treated, and a cure is guaranteed in all cases that are curable. Where nothing can be done, the student is frankly told so. A cure for all kinds of speaker's sore throat is possible. In several instances men from this school have been put back in the pulpit and on the platform who had despaired of ever again doing public speaking. A speaker who knows how to use his voice may use it all day and experience no fatigue or throat trouble. The aim of the School is to build up a voice that is full, round, clear, resonant, deep, well modulated, sympathetic and, above all durable.

### Auditoriums for Practice.

Students are not required to practice in small rooms. Several large auditoriums, seating from three hundred to two thousand each, afford convenient rehearsal rooms, in which the students practice at regular hours.



### Recitals and Contests.

The College offers the students many opportunities of appearing before public audiences as Readers, Orators, Debaters, and Public Speakers in general. Over five hundred programs are arranged every year in the University and town, to all of which the students are eligible. In addition, the students are expected to appear in frequent recitals given by the College.

A Lecture Course is supported by the Literary Societies of the University, giving the student an opportunity of hearing the most famous of the platform celebrities.

In Essays, Readings, Orations and Debates there are many contests awarding the winners valuable medals, cash prizes and scholarships. Among them are the contests of the Literary Societies, W. C. T. U., Intercollegiate, Lehr, Interstate, Philo Medals, Kuhn, Prohibition League—home, state, interstate and national.

### Libraries.

Students have access to five Libraries of the University containing thousands of volumes. The College library contains two hundred special reference books on every subject found in the six courses; between five and eight thousand Readings, Plays, Drills, Monologues, etc., Modern Eloquence, 15 volumes; Library of Oratory, 15 volumes; Masterpieces of Eloquence, 25 volumes; compilations of Sermons, Lectures, Debates, Biographies, Statistics, and so on. Use of the Library is required in every study.

### Degrees.

Those completing the General Culture Course are entitled to the degree of Bachelor of Expression, those completing the Professional Course to Master of Expression, and those completing the Orator's and Clergyman's courses are given the degree of Bachelor of Oratory.

Candidates for degrees must hold a first-grade high school diploma or its equivalent. All others completing courses are given certificates but not diplomas. Diploma and graduation fee, \$5.00.

### Attendance.

Examinations are held every five weeks. No allowance is made for absence except where the student is excused. When a



student misses a lesson, he is required to make up the work. One day's notice must be given in order to be excused from a private lesson.

### Cost of Instruction.

The tuition for a full year in any of the first five courses is \$100, payable in advance, or pro rata by the term in advance. This tuition entitles each student to six hundred class lessons and forty private lessons and in whatever branches he may wish to take in the College of Liberal Arts. The tuition in the Physical Training course is from \$20 to \$40. The Stammerer's and Speech Defects course, from \$25 to \$50.

### Special Rates of Tuition.

In order to accommodate those students of the College of Liberal Arts and the special departments of the University who may wish to take work in the department of Expression in connection with their other courses, the following rates are made:

All students who are paying \$10 or more tuition per term in the University are entitled to enter any class in the School of Expression on the payment of \$5. This entitles them to fifty class lessons. Physical training classes, fifty lessons, \$4 per term. Private lessons with Professor Newcomer, \$1 per hour; with assistant teachers \$.75 per hour. All tuition payable at the office of the University in advance.

### Credits.

A certain amount of the work in the School of Expression may be applied on a degree in the College of Liberal Arts. For further information, see list of electives in College of Liberal Arts.

### The O. N. U. Lyceum Bureau.

The University furnishes talent for single numbers or for full courses. List of talent sent on application.



## SCHOOL OF FINE ARTS.

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### FACULTY.

ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

MARY HELEN LEY,  
Dean.  
Drawing, Painting, Etc.

EMMA O. HUFFORD,  
Auditor and Registrar.

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### General Remarks.

The educative effect of a study of the Fine Arts scarcely can be overestimated. It opens the eye to form and color as nothing else can; it trains the hand, refines the taste and cultivates an appreciation of the beautiful.

No part of a lady's education affords her greater ability to render her more beautiful and attractive than skill in the Fine Arts. It is an accomplishment that leaves its records behind it in the works that have been wrought out. Knowledge may be forgotten, music may be neglected, but the pictures, statue, or carving ceases not to proclaim the success of the student.

The O. N. U. School of Fine Arts is conducted on the most modern methods—a direct study from life and nature. Communication is kept up with the leading art centers, and a ready hearing given to all new methods and theories. The guiding principle on which the school is founded is to maintain the highest efficiency, a severe practice of academic drawing and painting from the antique and from objects; and around this practice, as a living stem, to group the various departments of art education.

The School is able to announce that, ample arrangements have been made for competent and thorough instruction in the fine arts, and the methods in vogue in the Art Institutes of Chicago, one of America's leading art schools, will be brought into use in this department.

Those wishing a certificate from the School of Fine Arts are required to pursue, and show proficiency in these branches: Free



hand, Crayon, Perspective, Pencil, India Ink, Charcoal Drawing; Lettering; Painting in Landscape, Portrait, Fruit and Flowers in oil and water colors; Pyrography, or burnt wood; Sketching from nature and life; China Decoration, Modeling, etc.

Students satisfactorily completing the courses above mentioned are eligible to a certificate.

### **Drawing and Sketching.**

Skill in the Art of drawing and sketching is indispensable to success in primary teaching, and also greatly increases the efficiency of the teaching in natural history and physics. Indeed Drawing and Sketching, once thought mere accomplishments are now recognized as attainments of utility to every calling. Drawing occupies so prominent a place in the work of the public schools, that the call for competent teachers of drawing is noticeably increasing. The work in Drawing embraces Pencil, India Ink, Crayon, Charcoal and all Black and White Work.

### **Crayon.**

There is always a demand for crayon artists. The few materials, the ease and rapidity which crayon work can be executed and the comparatively short time required to learn it are considerations that lead many to prefer it to oil painting. This department is in charge of an accomplished artist.

### **Freehand and Perspective.**

Special attention is given to Free hand, Lettering, Perspective, Projection and Mechanical Drawing. Those studying Engineering, Physics and Mechanics are required to take a thorough course in drawing.

### **Painting.**

As a necessary accomplishment, painting, at the present day, holds an equal place with music. Then, too, within much less time and at considerable less expense, anyone of moderate ability can become a fairer painter than performer on the pianoforte.

The course in painting includes Landscape, Portrait, Fruits and Flowers in Oil and Water Colors, from nature and life.

China Painting, Decorating of all descriptions, and Pyrography are taught in the College.

Lessons in Oil and Water Color and also in Crayon and Pen and Ink are given, four two-hour lessons each week.



**EXPENSES.**

Pencil Drawing, Crayon Drawing, Water Colors, Oil Painting, India Ink, Mechanical and Industrial Drawing, special tuition per term .....	\$10.00
Freehand, per term .....	3.00

**Graduation Fee.**

In the School of Fine Arts the graduation fee is \$1.00. Neatly designed certificates, are awarded to those who complete any regular course of study.

**Rooms and Boarding.**

Good board in private families, \$1.65 to \$2.50 a week.

Furnished room, two in a room, 50 cents to 75 cents each a week.

Light and fuel, 5 cents to 30 cents a week.

Laundry, 15 cents to 25 cents a week.

Self-boarding reduces these expenses somewhat.

**Refunding.**

In cases of protracted sickness of the student, tuition is refunded for the unexpired term, regular rates being charged while in attendance. Fractional weeks are counted as full weeks. Where the student is called from school on account of necessary business, a due-bill for the unexpired time is issued to him by the Auditor, or the balance refunded at the option of the student. At any future time he may re-enter the University by presenting his due-bill to the Auditor and receiving therefor a new receipt for the unexpired time. No tuition is refunded to students who have been suspended or expelled. Receipts are not transferable.



## DEPARTMENT OF MILITARY INSTRUCTION.

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ALBERT EDWIN SMITH, D. D., PH. D.,  
President.

CAPT. F. P. HOLCOMB, 10TH U. S. CAVALRY,  
Commandant.

Under act of Congress, approved April 21st, 1904, an officer of the regular army is detailed at this University. This detail is continuous, the officer being replaced every three or four years.

The arms and equipments, and the artillery, with the necessary appendages, are issued by the Ordnance Department of the United States Army. The arms now in use are the United States Magazine Rifle, Caliber 30, (commonly called the Crag-Jorgensen). These rifles, as well as all the other infantry equipment, are entirely new, having been received in March, 1908. The artillery is equipped with the saber, in addition to the muzzle-loading guns, model 1861, with carriage and limber, Swords and belts are furnished to the cadet officers.

As soon as the local company of the Ohio National Guard complete their target range, within a quarter of a mile of the University, an effort will be made to hold annual target practice for all cadets, using the service cartridge. At the present time target practice is held with the sub-caliber rifle, caliber 22.

### Organization.

The Cadet Battalion at the present time consists of the following: One Cadet Major, one First Lieut. and Cadet Adjutant, one First Lieut. and Cadet Quartermaster, one First Lieut. and Cadet Band Leader, and one Cadet Sergeant Major.



**Company A.** 1 Captain, 1 1st Lieutenant, 1 2nd Lieutenant, 1 1st Sergeant, 1 Quartermaster Sergeant, 4 Sergeants, 4 Corporals, 27 Privates.

**Company B.** 1 Captain, 1 1st Lieutenant, 1 2nd Lieutenant, 1 1st Sergeant, 1 Quartermaster Sergeant, 4 Sergeants, 4 Corporals, 27 Privates.

**Company C.** 1 Captain, 1 1st Lieutenant, 1 2nd Lieutenant, 1 1st Sergeant, 1 Quartermaster Sergeant, 4 Sergeants, 4 Corporals, 27 Privates.

**Company D.** 1 Captain, 1 1st Lieutenant, 1 2nd Lieutenant, 1 1st Sergeant, 1 Quartermaster Sergeant, 4 Sergeants, 4 Corporals, 27 Privates.

**Battery B.** 1 Captain, 1 1st Lieutenant, 1 2nd Lieutenant, 1 1st Sergeant, 4 Sergeants, 4 Corporals, 20 Privates.

**Signal Corps.** 1 1st Lieutenant, 1 1st Sergeant, 4 Sergeants, 4 Corporals, 15 Privates.

**Band.** 1 1st Lieutenant, 4 Sergeants, 22 Privates, 1 Drum-major, 4 Corporals.

### Appointments and Promotions.

The cadet officers are elected by the companies, and after due examination, if found proficient, are appointed by the Commandant of Cadets. The Non-Commissioned officers are appointed by the various company commanders, and after examination, as in the case of officers, are appointed. A Cadet private of ability and energy may pass, in time, successfully through the several grades to the captaincy of his company.

General Orders No. 165, War Department, dated July 24th 1907, provide as follows: "All rules and orders relating to the organization and government of all military students; the appointment and change of officers, and all other orders affecting the military department, except those relating to routine duty, shall be made and promulgated by the Professor of Military Science and Tactics, after being approved by the chief administrative officer of the institution."

The examination for officers, or for non-commissioned officers, comprises for sergeants and corporals, the School of the Soldier; for lieutenants, the School of the Company; for captains, the School of the Company and Battalion.

Captains who fail to maintain their companies in satisfactory condition as to strength and instruction are expected to tender promptly their resignations.

### Commissions and Warrants.

Commissions and warrants, similar to those issued in the Regular Army, are issued to the officers and non-commissioned officers after passing the prescribed examinations. The commissions and warrants are supplied at the actual cost, \$1.35 for com-



missions, and 60 cents for warrants. These are certificates of military service, and are valuable to the holder in after life, or in time of war. Commissions and warrants will remain in force while the Cadet is a student at this University, or at the pleasure of the Commandant.

### **Military Drill Compulsory.**

Every able-bodied male student intending to complete any of the University curricula, or taking work necessitating two years or more of attendance, is required to drill and recite in this department three terms and "go through contest;" the military work counting as a substitute for any elective in his curriculum. Assignments of new students to companies is made by allotment as the names come on the Registrar's roll in the office of the University. In order to secure credit on the records of the University, the cadet is required to be regular in attendance, to be subject to all military discipline, to drill not less than one hundred and fifty hours, and to win a grade of at least 85 per cent.

### **Instruction.**

The cadets are drilled each year in the Schools of the Soldier Company and Battalion and in the ceremonies, and in the Manual of the Saber, besides the regular foot drill: The Signal Corps is instructed in visual signaling, both with the flag and torch. The Band holds the regular band practice at the drill hour every day, and is also exercised in the School of the Squad, (Infantry). Drill is held every day for one hour, except Saturdays and Sundays. Officers' and non-commissioned officers' school is held one hour a week by the Commandant.

The drill (and school) is so timed as not to interfere with the academic duties, and is found to be entertaining, invigorating and healthful—a pleasant relaxation after the close sedentary hours of the students' desk and class room.

### **Textbooks.**

The following textbooks, furnished by the War Department, are designated for the course; Infantry Drill Regulations; Manual of Guard Duty; Field Service Regulations; Small Arms Firing Regulations; Outlines of First Aid to the Wounded; Lectures.



Special attention is given to the preparation of the cadets for the United States Military and Naval Academies, and of candidates for the commissions from the Ranks of the Regular Army.

### Uniform.

The Battalion of Cadets and the various other organizations belonging to the military department will be uniformed as follows: Khaki breeches, olive-drab flannel shirt, canvas leggings, campaign hat, hat cord and hat ornament. This uniform is similar to that worn by the Troops of the Regular Army, and has been found to be the cheapest and most serviceable that can be found. All the parts of the uniform can be worn with civilian dress, so it is not a loss to the cadet after leaving the University. Tan or russet shoes are worn with this uniform, the style to suit the individual wearer. The entire uniform is of a superior quality, and can be purchased for about \$8.20, subject of course to the change in the market price.

### Prizes.

A special cash prize is awarded in the Spring term to the cadet presenting the best appearance, and showing the greatest proficiency in drill and discipline.



## REGISTER 1909-10

### DEGREES

#### GRADUATES

#### UNDERGRADUATES

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#### HONORARY DEGREES.

Danford, Samuel Alexander.....	(D. D.).....	Bismark, N. D.
Harshbarger, Jonas F.....	(D. D.).....	Defiance, Ohio
Read, Edward Andrew.....	(D. D.).....	Granville, Ohio
Harding, Warren G.....	(LL. D.).....	Marion, Ohio
Pam, Max.....	(LL. D.).....	New York, N. Y.
Mitchell, Clarence Dumont.....	(A. M.).....	Ada, Ohio
Stanton, Frank Wade.....	(A. M.).....	Ada, Ohio

#### MASTER DEGREE.

Bennett, Wesley.....	(Sci.).....	Gary, Ind.
Bruehlman, J. J.....	(Class).....	Dorset, Ohio
Curry, Gilbert G.....	(Sci.).....	Philadelphia, Pa.
Niles, William K.....	(Sci.).....	Brandon, Texas
Rogers, William E.....	(Class).....	Savannah, Tenn.
Stevens, Bert Elsworth.....	(Class).....	Onalaska, Wis.
Strother, Ray Laurence.....	(Sci.).....	Wilsonburg, W. Va.
Westerfield, Ray Bert.....	(Class).....	Paulding, Ohio
Willier, John G.....	(Com.).....	Washington, D. C.
Wisely, Allen Newton, Jr.,.....	(Sci.).....	Chicago, Ill.
Winner, Ivan S.....	(Lit.).....	Huntsville, Ohio

#### POST-GRADUATE.

Coulter, L. E.....	(Sci.).....	Malta, Ohio
Campbell, Helen.....	(Sci.).....	Ada, Ohio
Diley, J. M.....	(Sci.).....	Canal Winchester, Ohio
Frampton, S. A.....	(Sci.).....	Creola, Ohio
Horn, E. F.....	(Sci.).....	Washington, Pa.
Johnson, C. G.....	(Sci.).....	McConnelsville, Ohio
Loveland, Anna.....	(Sci.).....	Ada, Ohio
Sullivan, T. W.....	(Sci.).....	Minster, Ohio



## CLASS OF 1909.

(Names not published in last year's Catalogue)

## Classical.

Eby, Samuel L.....Cadiz, Ohio

## Scientific.

Brown, L. C.....Johnstown, Ohio

Burnworth, S. V.....Mt. Blanchard, Ohio

Coulter, Lewis E.....Malta, Ohio

Garl, Goldie L.....West Richfield, Ohio

Howe, Alfred T.....Unionopolis, Ohio

Marshall, P. Reade.....Berlin, Pa.

Mahau, Florence L.....Ada, Ohio

Ohls, Elmer E.....Pavonia, Ohio

## Teachers.

Campbell, S. C.....Union Center, Ohio

Campbell, Eva.....Union Center, Ohio

Eberhart, Meda.....Ada, Ohio

Garl, Goldie L.....West Richfield, Ohio

Gordan, J. M.....New Lexington, Ohio

Kithcart, Jessie.....Mt. Pleasant, Ohio

Kern, Clyde G.....Alexandria, Ohio

Mitchell, Bernice.....Dunkirk, Ohio

Oster, John E.....New Bavaria, Ohio

Royer, Carl E.....Louisville, Ohio

## English.

Craft, Neal.....Ada, Ohio

## Civil Engineering.

Potts, John E.....Cooperstown, N. Y.

Rothermund, Karl L.....Martin's Ferry, Ohio

## Pharmacy.

Baker, Perry.....Celina, Ohio

Brown Nicholas P.....Sandusky, Ohio

Donovan, J. Alston.....Ada, Ohio

## Commerce.

Bear, Otis J.....New Washington, Ohio

Iams, W. W.....Washington, Pa.

Morin, Henry R.....Ada, Ohio

Markwood, W. W.....Ada, Ohio

Wood, J. O.....Akron, Ohio

## Stenography.

Crim, Walter E.....Ada, Ohio

## Penmanship.

Thomas, O. B.....Ada, Ohio



## GRADUATES.

## COLLEGE OF LIBERAL ARTS.

## Classical.

Ballinger, Thomas Avery	Smith, Edwin Vergon.....Ada, O.
West Mansfield, O.	Welsh, Opal Muriel.....Ada, O.

## Literature.

Alford, James Perry....Bremen, O.	Hartwell, Edward G. Youngstown, O.
Bunston, Howard W....Detroit, Mich.	Minnis, Glenn Y.....Kennard, Pa.
Crafts, Willis.....Ada, O.	Motter, Paul O.....Ada, O.
Dow, W. O.....Ada, O.	Storer, Amanda..Indianapolis, Ind.

## Scientific.

Baker, Marie Gertrude	Imhoff, Grover C.....Shelby, O.
Sandersville, Ga.	King, Alph J.....Scullton, Pa.
Barton, Robert M....Port Royal, Pa.	Long, George F....Middle Bass, O.
Campbell, S. Colin...Unionville, O.	Longworth, Paul B.....Ada, O.
Campbell, Eva C....Unionville, O.	McVay, Charles S.....Bellaire, O.
Carter, Richard N.....Wren, O.	Marsh, Rose E....Beuna Vista, Colo.
Chorpening, Rollo I...Sumerset, Pa.	Maglott, Donald S.....Ada, O.
Devore, Chauncey C.	Myers, Myrtle N.....Rawson, O.
Wheeling, W. Va.	Naylor, Elmer T.....Hillsboro, O.
Deacon, Floyd T. Harris Station, O.	Pond, Emma Helen....De Graff, O.
Davidson, Walter E....Bucyrus, O.	Rogers, James R....Waynesburg, O.
Dissly, Frederick L. Sugar Creek, O.	Schmied, James W..Mt. Healthy, O.
Elliott, Sidney C.....Ada, O.	Stowe, W. Parker....Northeast, O.
Fry, J. Cleve.....Mantua, O.	Syling, John C.....Princeton, Pa.
Gruetzner, Edward T..Greenock, Pa.	Vermillion, C. W.....Sunbury, O.
Houskeeper, Dora	Wah, Chin.....San Francisco, Cal.
Bowling Green, O.	Wade, Otis G.....Ada, O.
Homrighous, Dora....Lancaster, O.	Webb, L. A.....Ada, O.
Hanselman, E. E....Georgetown, O.	

## NORMAL SCHOOL.

## Teachers.

Alford, James P.....Bremen, O.	Kiimer, Iona M.....Dunkirk, O.
Ash, Berta H.....Ada, O.	Minnis, Glenn Y.....Kennard, Pa.
Chamblin, Edith B..Pemberville, O.	McManus, P. J. Cooperstown, N. Y.
Diehl, William L....Laurelville, O.	Pyers, Donald.....E. Liberty, O.
Drake, Leland N....Strongsville, O.	Sheets, Vernon T.....Ada, O.
Fry, J. Cleve.....Mantua, O.	Tressel, Ray.....Ada, O.
Freeland, Harry D. Waynesburg, Pa.	Turner, Floyd F.....Ada, O.
Garwood, Irving.....Ada, O.	Turner, Ross A.....Ada, O.
Howey, Hattie May....Toledo, O.	Webb, L. A.....Ada, O.

## Common School Certificates.

Compton, Irene.....Coshocton, O.	Rutledge, Jesse H.....Ada, O.
Hartwell, Edward G. Youngstown, O.	Templeton, Cora F.....Ada, O.
Hartwell, Walter C..Youngstown, O.	Kirkland, Francis....Ostrander, O.
Marsh, Rose E....Beuna Vista, Colo.	Van Horn, Hazel.....Lakeview, O.
Ream, Mary Ilo.....Ada, O.	

## COLLEGE OF ENGINEERING.

## Civil Engineering.

Ash, Charles .....Ada, O.	Bricker, Merle C.....Alvordton, O.
Bair, George L.....York, Pa.	Bicler, Henry S..E. Greenville, Pa.
Bradt, Eugene R....Castile, N. Y.	Burnette, Frank R....Nutwood, O.
Brown, Archie B....Senecaville, O.	Bender, Charles F..New Milford, O.
Blosser, Cleveland T.	Chandler, J. H.....Ada, O.
Apple Creek, O.	Dutton, Vernon M.....Marion, O.



- Daugherty, George E. Ramseytown, Pa.  
 Emery, Harvey B. Ridgeville, O.  
 Edwards, Chester. Newark, O.  
 Freund, Norman W. Ada, O.  
 Fairchild, W. C. Vanderbilt, Pa.  
 Graham, Ivan. Marysville, O.  
 Griffith, C. P. Wayland, O.  
 Garrett, George. Ada, O.  
 Grau, Charles G. Allegheny, Pa.  
 Howell, Blair D. Chattam, N. J.  
 Hodge, W. B. De Graff, O.  
 Hanson, Myron W. Montague, Mich.  
 Henderson, Geo. S. New York, N. Y.  
 Heist, Melvin D. Salt Lake City, Utah  
 Johann, Wm. M. Evansville, Ind.  
 Lindemuth, Ross. Antwerp, O.  
 Lipp, Vernon J. Youngstown, O.  
 McClure, A. E. North Hoosick, N. Y.  
 McManus, S. M. Grant, Pa.  
 McGeehan, Frank. Youngstown, O.  
 Morrison, Thos. D. Saratoville, O.  
 Marty, A. Roy. Ada, O.  
 Maxwell, Myron P. Wheeling, W. Va.  
 Meighan, J. J. Chicago, Ill.  
 Murphy, Addison C. Barnesville, O.  
 Martin, Alva C. California, Pa.  
 Philpott, Austin. McClure, O.  
 Reeb, Earl L. Antwerp, O.  
 Ruso, Miguel. Sancti Spiritis, Cuba  
 Schroeder, Chas. N. Altoona, Pa.  
 Saladin, Wm. C. Norwalk, O.  
 Stokley, Robert Blaine Portsmouth, O.  
 Shelby, C. C. Braddock, Pa.  
 Strombach, Victor H. Irvington, N. J.  
 Turley, Alria P. Robertsburg, W. Va.  
 Unckrich, Arch. F. Galion, O.  
 Wallace, R. J. Huntington, Pa.  
 Wismar, Louis H. Custar, O.  
 Williams, Albert. Granville, O.  
 Wells, John F. New Galilee, Pa.  
 Wilson, Frank I. Ellwood City, Pa.  
 Wagner, Marlin A. New Florence, Pa.  
 Will, Walter G. U. Sandusky, O.  
 Yount, Wm. R. Clayton, O.  
 Ziegler, Laurence E. N. Hampton, O.

**Electrical Engineering.**

- Anderson, Ernest R. Wilcox, Pa.  
 Aranba, J. B. Sao Paulo, Brazil  
 Bates, Myron H. Williamsport, Pa.  
 Cano, Leopoldo A. Fuxtila, Gtz., Mexico  
 Knoop, Roy M. Castown, O.  
 Lentz, Geo. W. Antioch, O.  
 Morrison, Harris C. N. Robinson, O.  
 McAnlis, Ira James. Wampum, Pa.  
 Rothrock, R. Paul. Ada, O.  
 Parker, H. V. Newark, O.  
 Shepherd, Albert C. St. Clairsville, O.  
 Sparks, Virgil P. Leesburg O.  
 Timbers, Harley H. Middlepoint, O.  
 Thurston, Ernest B. Goodison, Mich.  
 Wagner, Warren C. Ada, O.  
 Young, Oliver W. Columbus Grove, O.

**Mechanical Engineering.**

- Thurston, Ernest B. Goodison, Mich. Fairchild, Wilford C. Vanderbilt, Pa.

**COLLEGE OF LAW.**

- Ashcraft, Henry C. Frazeyburg, O.  
 Baxter, Richard A. Lima, O.  
 Davenport, Carlton P. Colrain, Mass.  
 Farrell, Daniel P. Preston, Okla.  
 Fleming, Wm. A. E. Palestine, O.  
 Friesner, Chas E. Fostoria, O.  
 Hammond, Homer W. Lisbon, O.  
 Hankison, Otto L. Marion, O.  
 Jacobson, Louis. Toledo, O.  
 King, Foster E. Elmira, N. Y.  
 McBride, Earl M. Youngstown, O.  
 Marshall, P. Reade. Berlin, Pa.  
 Rosenblum, Eli. Toledo, O.  
 Stilwell, Wayne. Millersburg, O.  
 Shela, Louis E. Portsmouth, O.  
 Wise, Chester G. Bath, O.

**COLLEGE OF PHARMACY.**

- Butler, Guy C. Lima, O.  
 Biglow, Glen A. Continental, O.  
 Bishop, Marion M. Barnesville, O.  
 Crandall, Almeron. Lorain, O.  
 Crandall, Mariam C. Lorain, O.  
 Ebert, Carl W. Circleville, O.  
 Evans, David E. Ada, O.  
 Horn, Raymond R. Wapakoneta, O.  
 Hicks, Wesley De Witt. Fostoria, O.  
 Hart, Grover F. Newark, O.  
 Jones, Carl. Springfield, O.  
 Kerns, Okey C. Parkersburg, W. Va.  
 Lester, Will J. Wadsworth, O.  
 Lawrence, Erwin H. Mayville, Mich.  
 Otstot, W. Homer. Springfield, O.  
 Owens, Oscar E. Manchester, O.  
 Pool, Arthur B. Gallipolis, O.  
 Pontius, Merl O. Smithville, O.



Reineke, Henry H.....	Defiance, O.	Strayer, Stanley C.....	Marion, O.
Sawtelle, John B.....	Ottawa, O.	Smith, Donald H.....	Van Wert, O.
Schrimp, Anthony B.....	Wapakoneta, O.	Shawecker, Max.....	Canal Dover, O.
Snyder, Ross H.....	London, O.	Welsh, Otto M.....	Parkman, O.
		Wilson, Russell R.....	Viola, W. Va.

## COLLEGE OF COMMERCE.

## Business.

Anspach, Kent P.....	Ada, O.	Harris, E. D.....	Bellefontaine, O.
Bickel, Maude M.....	Union City, Ind.	Liggett, Don P.....	Ostrander, O.
Culver, Maude E.....	Sycamore, O.	McElwain, Bessie L.....	Ft. Jennings, O.
Critchfield, C. W.....	Kenton, O.	McKelvey, Lloyd D.....	Findlay, O.
Chee, Paul K.....	Panama	Rogers, James R.....	Waynesburg, O.
Doughty, Mina.....	Monette, O.	Skurkay, George.....	Monessen, Pa.
Green, Harry A.....	Boswell, O.	Sprouse, Chas.....	Spellman, W. Va.
Green, Benjamin.....	Cumberland, O.	Willeke, Carl A.....	Kenton, O.
Hoover, Harrison.....	W. Dublin, Pa.	Weber, Frank H.....	Pettisville, O.
Hays, Samuel H. G.....	Lewiston, Pa.	Yeager, Guy U.....	McGuffey, O.

## Stenography.

Kurtz, Gail H.....	Forest, O.	Porter, Mabel.....	Kenton, O.
Hoover, Harrison.....	West Dublin, Pa.	Seidemann, Oscar H. J.	Pittsburg, Pa.
Oberlin, Lottie.....	Mansfield, O.		
Osborn, May.....	Bowling Green, O.		

## COLLEGE OF EXPRESSION.

## Professional Course.

Coyner, Mabel E.....	Greenfield, O.
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## General Culture Course.

Akerman, Audrey G.....	Lima, O.	Gill, Panzie L.....	Ada, O.
Appleman, Grace.....	New Lexington, O.	Hover, Mercy Winifred.....	Lima, O.
Baker, Vernon J.....	Martel, O.	Luck, Lena G.....	Lima, O.
Fackler, Hattie.....	Beaverdam, O.	Shook, Meda R.....	Sandusky, O.
Folk, Martha.....	Defiance, O.	Thomas, Maude B.....	Jackson, O.

## Oratory.

Kurtz, Charles F.....	Millville, N. J.
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## COLLEGE OF MUSIC.

## Voice.

Bales, Clara V.....	Ada, O.	Veatch, R. F.....	Ada, O.
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## Piano.

Cotner, Ida May.....	Ada, O.	Johnston, Mae.....	Harrod, O.
Edwards, Katherine.....	McGuffey, O.	Mahon, Mamie N.....	Dunkirk, O.

## Organ.

Rothrock, Vergie M.....	Ada, O.
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## Public School Music.

Hickernell, Bessie.....	Ada, O.	Reynolds, Harriet F.....	Horton, Mich.
Reynolds, Fern.....	Norwalk, O.	Veatch, R. F.....	Ada, O.



## COLLEGE OF FINE ARTS.

Swisher, Helen Louise  
Millersport, O.

Wiley, Edna B. .... Richwood, O.

## Public School Drawing.

Leaming, Pearl M. Milton Center, O.

## UNDER-GRADUATES.

## COLLEGE OF LIBERAL ARTS.

## Classical—Juniors.

McCoppin, Geo. .... Hardin Co., O.      Riggle, C. B. .... Richland Co., O.  
Nelson, D. B. .... Jackson Co., O.      Riggle, D. E. .... Richland Co., O.

## Unclassified.

Armbrust, Jos. .... Hamilton Co., O.	Melenzyer, Charles
Akers, W. D. .... Wyandot Co., O.	Westmoreland Co., Pa.
Alyea, Abram. .... Bergen Co., N. J.	Manahan, H. A. .... Logan Co., O.
Aldrich, C. G. .... Hardin Co., O.	Meier, Rudolph. .... Passaic Co., N. J.
Baldwin, Byron B. .... Putnam Co., O.	Meyer, W. W. .... Hardin Co., O.
Binkley, J. Arthur. .... Hardin Co., O.	Montgomery, Pearl. Auglaize Co., O.
Campbell, W. A.	Montgomery, Josephine
Rensselaer Co., N. Y.	Auglaize Co., O.
Cox, Clarence S. .... Summit Co., O.	Miller, Alma. .... Hardin Co., O.
Connell, C. D. .... Licking Co., O.	Miller, Anna. .... Westmoreland Co., Pa.
Donnan, Ralph L. .... Delaware Co., O.	Pratt, Ray. .... Bradford Co., Pa.
Dapp, J. S. .... Bergen Co., N. J.	Parker, J. D. .... Hancock Co., O.
Dray, Victor. .... Putnam Co., O.	Rothrock, H. A. .... Hardin Co., O.
Davis, Lena B. .... Onondaga Co., N. Y.	Rowe, F. G. .... Mason Co., W. Va.
Douch, E. O. .... Hamilton Co., O.	Rupert, Joseph F. .... Jackson Co., O.
Fusselman, Paul. .... Williams Co., O.	Shook, Donna. .... Hardin Co., O.
Foley, R. R. .... Hardin Co., O.	Sells, H. J. .... Hardin Co., O.
Guthrie, J. M. .... Hardin Co., O.	Shiveley, A. .... Paulding Co., O.
Huff, Wilburt J. .... Butler Co., Pa.	Shuman, Frederick. Wyandot Co., O.
Hartwell, E. G. .... Columbiana Co., O.	Smith, Rachel. .... Hardin Co., O.
Hoffman, James. .... Jefferson Co., Pa.	Thomas, Mary. .... Hardin Co., O.
Howe, A. T. .... Auglaize Co., O.	White, Walter R. .... Clay Co., Ky.
James, M. S. .... Portage Co., O.	Wade, J. J. .... Union Co., N. J.
Johnson, C. R. .... Stark Co., O.	Weaver, L. L. .... Allen Co., O.
Killian, E. E. .... Allegheny Co., Pa.	Yeastig, Galen A. Sandusky Co., O.
Kirts, B. E. .... Marion Co., O.	Zeigler, Earl F. .... Wood Co., O.

## LITERATURE.

## Unclassified.

Allan, W. A. D. .... Lackawanna Co., Pa.	Kennedy, C. Blanche. .... Erie Co., Pa.
Anselment, Mayetta. .... Marion Co., O.	Milne, D. L. .... Vancouver, B. C.
Barnes, Sylvia. .... Richland Co., O.	Ottmer, Helen. .... Washington Co., Wis.
Beiler, Lois. .... Allen Co., O.	Pepple, Imogene. .... Hardin Co., O.
Chiu, Geo. I. .... Canton, China	Russell, Angeline. .... Hardin Co., O.
Frueh, Leo. .... Allen Co., O.	Swart, Jacob. .... Washington Co., Pa.
Gregory, Fred. .... Columbiana Co., O.	Schurtz, D. D. .... Hardin Co., O.
Kail, Esther. .... Wyandot Co., O.	Thurston, G. F. .... Oakland Co., Mich.



## SCIENTIFIC.

## Juniors.

Andrews, D. C. . . . . White, Gladys . . . . . Hardin Co., O.  
Westmoreland Co., Pa.

## Unclassified.

Akers, W. D. . . . . Wyandot Co., O. Follim, Omar . . . . . Morrow Co., O.  
Armstrong, G. B. . . . . Wyandot Co., O. Fruch, Leo . . . . . Allen Co., O.  
Andrix, Fletcher H. . . . . Franklin Co., O. Folk, C. G. . . . . Hancock Co., O.  
Alexander, R. M. . . . . Hardin Co., O. Fry, J. C. . . . . Portage Co., O.  
Adams, Bernice . . . . . Bucks Co., Pa. Fell, Mabel . . . . . Marion Co., O.  
Ashley, Jerry . . . . . Mahoning Co., O. Ford, Elsie . . . . . Allen Co., O.  
Brown, Russell . . . . . Westmoreland Co., Pa. Fosnight, Robert . . . . . Summit Co., O.  
Bruhn, Harry . . . . . Ohio Co., W. Va. Foust, C. L. . . . . Portage Co., O.  
Berger, F. L. . . . . Licking Co., O. Glover, Victor L. . . . . Berkley Co., W. Va.  
Barnhart, Arthur L. . . . . Butler Co., Pa. Garwood, Irving . . . . . Hardin Co., O.  
Bond, D. Allen . . . . . Belmont Co., O. Garling, Scott . . . . . Fulton Co., O.  
Ball, Daniel R. . . . . Allen Co., O. Gleim, Sophia . . . . . Scioto Co., O.  
Brandt, Joe . . . . . Cuyahoga Co., O. Harman, Ray D. . . . . Putnam Co., O.  
Belding, Arlo V. . . . . Fulton Co., O. Huffman, Palmer B. . . . . Wood Co., O.  
Berry, John W. . . . . Allen Co., O. Huston, Harry . . . . . Somerset Co., Pa.  
Berger, S. H. . . . . Licking Co., O. Hatfield, Wm. R. . . . . Logan Co., O.  
Baldwin, J. W. . . . . Lucas Co., O. Horn, E. L. . . . . Madison Co., O.  
Brincefield, Jesse R. . . . . Auglaize Co., O. Hooper, Arthur . . . . . Jefferson Co., O.  
Berg, J. C. . . . . Paulding Co., O. Hothem, C. A. . . . . Tuscarawas Co., O.  
Bowers, Vinnie . . . . . Hancock Co., O. Harvey, D. . . . . Crawford Co., O.  
Brammer, Lona . . . . . Lawrence Co., O. Haas, C. A. . . . . Tuscarawas Co., O.  
Clapper, D. W. . . . . Muskingum Co., O. Harrod, Ola . . . . . Allen Co., O.  
Cunningham, D. C. . . . . Hardin Co., O. Howey, Hattie M. . . . . Lucas Co., O.  
Curl, R. B. . . . . Logan Co., O. Harmon, Mona . . . . . Hardin Co., O.  
Craun, W. M. . . . . Seneca Co., O. Harris, Minnie . . . . . Coshocton Co., O.  
Conn, Donald . . . . . Van Wert Co., O. Hill, Pierre . . . . . Hardin Co., O.  
Copeland, A. L. . . . . Auglaize Co., O. Hill, Joe . . . . . Hardin Co., O.  
Cleveland, John D. . . . . Marion Co., O. Ingraham, C. C. . . . . Hennepin Co., Minn.  
Carpenter, O. F. . . . . Paulding Co., O. Johnston, Victor . . . . . Lawrence Co., Pa.  
Crawford, C. C. . . . . Guernsey Co., O. Johns, M. C. . . . . Allegheny Co., Pa.  
Clutts, O. P. . . . . Scioto Co., O. Johnson, C. D. . . . . Morgan Co., O.  
Chaffee, Victor . . . . . Ashtabula Co., O. Kurtz, C. F. . . . . Cumberland Co., N. J.  
Case, Charles . . . . . Licking Co., O. Kerr, Wm. R. . . . . Stark Co., O.  
Denman, Harry B. . . . . Summit Co., O. Keith, J. A. . . . . Allen Co., O.  
Drake, L. N. . . . . Cuyahoga Co., O. Kelbaugh, J. T. . . . . Noble Co., O.  
Davenport, C. P. . . . . Franklin Co., Mass. Knappenberger, G. H. . . . . Crawford Co., O.  
Doak, A. R. . . . . Coshocton Co., O. King, W. C. . . . . Logan Co., O.  
Diehl, W. L. . . . . Hocking Co., O. Kerns, Lawrence . . . . . Hardin Co., O.  
Dougle, M. . . . . Auglaize Co., O. Kattman, G. H. . . . . Auglaize Co., O.  
Dearth, Miles . . . . . Noble Co., O. Kochenderfer, Grace . . . . . Ashtabula Co., O.  
De Wolfe, F. H. . . . . Licking Co., O. Lewis, A. L. . . . . Erie Co., N. Y.  
Dunn, F. C. . . . . Morgan Co., O. Lauker, P. T. . . . . Wyandot Co., O.  
Davis, F. A. . . . . Morgan Co., O. Loke, L. P. . . . . Muskingum Co., O.  
Darnell, E. C. . . . . Morgan Co., O. Listes, R. B. . . . . Hardin Co., O.  
Everhart, T. H. . . . . Fayette Co., O. Larkins, Chas. W. . . . . Clermont Co., O.  
Elliott, Floyd . . . . . Hardin Co., O. McKinley, R. E. . . . . Clarion Co., Pa.  
Eicher, H. Clay . . . . . Westmoreland Co., Pa. Miles, Edgar A. . . . . Summit Co., O.  
Ellsworth, W. H. . . . . Henry Co., O. Millnone, Harry . . . . . Guernsey Co., O.  
Fawcett, John A. . . . . Washington Co., Pa. McDonald, N. G. . . . . Coshocton Co., O.  
Fogle, Clyde T. . . . . Guernsey Co., O. Maurice, John F. . . . . McDowell Co., W. Va.  
Foley, R. R. . . . . Hardin Co., O. Marchand, Ray . . . . . Stark Co., O.  
Forney, T. G. . . . . Tuscarawas Co., O. Miller, R. S. . . . . Franklin Co., Pa.  
Freeman, T. M. . . . . Washington Co., O. Meyer, H. J. . . . . Mesa Co., Colo.  
Fantz, Franklin . . . . . Allen Co., O.



- McManus, P. J....Otsego Co., N. Y.  
 Moore, J. Ray...Washington Co., Pa.  
 Meyer, R. F.....Hardin Co., O.  
 Markwood, J. D....Hardin Co., O.  
 McKibbin, Ernest...Darke Co., O.  
 Monroe, C. E.....Guernsey Co., O.  
 Manning, James....Auglaize Co., O.  
 Merlin, H. E.....Mercer Co., O.  
 Manahan, J. L.....Logan Co., O.  
 Montgomery, Fern...Hardin Co., O.  
 Meyer, Hettie.....Miami Co., O.  
 Neiswander, W. D....Allen Co., O.  
 Nichwitz, Lawrence...Darke Co., O.  
 Nelson, F. R.....Monroe Co., O.  
 Ottmer, Helen...Washington Co., Wis.  
 Owen, R. L.....Clearfield Co., Pa.  
 Pond, Omar.....Paulding Co., O.  
 Penick, Walter L...Benton Co., Ind.  
 Patterson, Mark A...Geauga Co., O.  
 Priest, Guy S.....Ashland Co., O.  
 Powell, J. E.....Stark Co., O.  
 Partz, H. G.....Coshocton Co., O.  
 Palmer, Ellen.....Morgan Co., O.  
 Price, Lois.....Hardin Co., O.  
 Raabe, R.....Paulding Co., O.  
 Ream, Harry.....Summit Co., O.  
 Roth, Henry.....Wyandot Co., O.  
 Roe, Chester.....Licking Co., O.  
 Rickett, Ross A...Ashland Co., O.  
 Richmond, H. W....Adams Co., O.  
 Rowe, H. M.....Mason Co., W. Va.  
 Riley, D. P.....Allen Co., O.  
 Rutledge, J. H....Hardin Co., O.  
 Ries, C. F.....Hardin Co., O.  
 Rider, Percy L....Franklin Co., O.  
 Russell, A. P.....Hancock Co., O.  
 Shade, R. L.....Allen Co., O.  
 Sprouse, Charles...Mason Co., W. Va.  
 Sneeringer, A. T...Hardin Co., O.  
 Simon, E. E.....Wayne Co., O.  
 Simpson, Earl.....Belmont Co., O.  
 Scheid, G. W.....Huron Co., O.  
 Shoolroy, Ross...Ashland Co., O.  
 Schawecker, Earl...Tuscarawas Co., O.  
 Shaffer, L. S.....Rockaway Co., Pa.  
 Sibert, Vernon....Auglaize Co., O.  
 Sumption, Vernon...Monroe Co., O.  
 Suder, O. A.....Wyandot Co., O.  
 Stauffer, Andy.....Allen Co., O.  
 Stoner, Blanchard...Mercer Co., O.  
 Schnitzer, W. J....Stark Co., O.  
 Staker, D. D.....Scioto Co., O.  
 Stewart, A. W.....Scioto Co., O.  
 Stout, I. G.....Sandusky Co., O.  
 Snyder, Beatrice...Hardin Co., O.  
 Smith, Anna.....Erie Co., O.  
 Swartz, Hazel C....Wood Co., O.  
 Steva, Anna.....Auglaize Co., O.  
 Tetlow, J. J.....Columbiana Co., O.  
 Thornberg, Frank...Clinton Co., O.  
 Taylor, Elmer A...Iroquois Co., Ill.  
 Turner, Ross.....Hardin Co., O.  
 Tipton, L. J.....Monroe Co., O.  
 Tuttle, Minnie.....Lake Co., O.  
 Trissler, Gwendoline...Hardin Co., O.  
 Ulmer, J. W.....Crawford Co., O.  
 Wiltshire, W. P...Allegheny Co., Pa.  
 Walker, Grover C...Auglaize Co., O.  
 Williams, Geo. W...Stark Co., O.  
 Worthington, Wm...Morrow Co., O.  
 Webb, L. A.....Hardin Co., O.  
 Woodrow, F. S.....Jackson Co., O.  
 Warner, Charles...Fairfield Co., O.  
 Webster, E. L.....Ottawa Co., O.  
 Whiteman, S. Lee...Otsego Co., N. Y.  
 Wegman, Carl.....Wood Co., O.  
 Whitney, Raymond E....Oakland Co., Mich.  
 White, C. E.....Clinton Co., Pa.  
 Wilson, Homer E...Henry Co., O.  
 Wise, G. F.....Darke Co., O.  
 Welsh, Jno. W.....Hardin Co., O.  
 Wilson, Nellie.....Hardin Co., O.  
 Yeasting, Galen A...Sandusky Co., O.  
 Yinger, John A...Camden Co., N. J.  
 Yost, C. R.....Rockbridge Co., Va.  
 Yeoman, Ollie.....Madison Co., O.  
 Zimmerman, J. D...Butler Co., Pa.

## ENGLISH COURSE.

## Juniors.

- Barnes, Sylvia....Richland Co., O.  
 Dobbins, Clinton...Hardin Co., O.  
 Donnan, Ralph L...Delaware Co., O.  
 Denman, H. B.....Summit Co., O.  
 Kennedy, C. Blanche...Erie Co., Pa.  
 Mahan, Clara.....Hardin Co., O.  
 Simpson, Earl.....Belmont Co., O.  
 Stitt, Isabelle.....Belmont Co., O.  
 Wilson, Nellie.....Hardin Co., O.

## Unclassified.

- Davenport, C. P...Franklin Co., Mass.  
 Harvey, H. D.....Hardin Co., O.  
 Kennedy, Elwood...Franklin Co., Pa.  
 Lyman, Hattie L...Mercer Co., Pa.  
 Manahan, H. A.....Logan Co., O.  
 Matheny, Leota....Hardin Co., O.

## English.

- Morgan, Bertha....Huron Co., O.  
 Perry, George.....Hardin Co., O.  
 Skutt, Clarence W.  
 Onandaga Co., N. Y.  
 Smith, Bessie.....Hamilton Co., O.  
 Vrzal, J. M.....Cook Co., Ill.  
 Williams, Louella...Fulton Co., O.



## Biblical.

- Chiles, C. D.....Hardin Co., O.  
 Cole, E. E.....Switzerland Co., Ind.  
 SPECIAL  
 Aubrey, R. L., Jr.  
     Washington Co., Pa.  
 Blue, Veld E.....Hardin Co., O.  
 Billhimer, Frank M.  
     Westmoreland Co., Pa.  
 Bair, W. H.....Westmoreland Co., Pa.  
 Burroughs, Homer  
     Monroe Co., Mich.  
 Betts, Anna M.....Fairfield Co., Conn.  
 Callaghan, R. H.....Perry Co., O.  
 Close, C. L.....Wood Co., O.  
 Craig, Della.....Adams Co., Ind.  
 Conner, Frances.....Harper Co., Kan.  
 Chin, Wah.....San Francisco, Calif.  
 Doty, A. M.....Los Angeles Co., Calif.  
 Day, R. K.....Fayette Co., O.  
 Ewing, Mrs. D. D.....Hardin Co., O.  
 Ernsberger, Lloyd.....Hardin Co., O.  
 Francis, Albert G.  
     Westmoreland Co., Pa.  
 Foster, J. G.....Allegheny Co., Pa.  
 Cross, W. G.....Iroquois Co., Ill.  
 Gibbons, Geo. C.....Muskingum Co., O.  
 Grandstaff, L. B.....Wyandot Co., O.  
 Gould, H. C.....Washington, D. C.  
 Hoge, Guy B.....Washington Co., Pa.  
 Hachtel, Fred W.....Summit Co., O.  
 Howell, Gladys.....Auglaize Co., O.  
 Jackson, Arthur R.....Monroe Co., O.  
 Jackson, Harry W.  
     Monroe Co., Mich.  
 Lutz, Franklin.....Hardin Co., O.  
 Lake, Chester C.....Coshocton Co., O.  
 Larcomb, Chas.....Delaware Co., O.  
 McLaughlin, H. A.....Perry Co., O.  
 Morin, H.....Hardin Co., O.  
 Moore, V. B.....Morrow Co., O.  
 McDowell, H. A.....Shelby Co., O.  
 Mills, Thos. D.....Mercer Co., Pa.  
 McLaughlin, F. R.....Wood Co., O.  
 Myers, Myrtle.....Hardin Co., O.  
 Osugi, K.....Tokio, Japan  
 Orebaugh, John N.....Warren Co., O.  
 Ramsey, F. Earl.....Beaver Co., Pa.  
 Smith, P. H.....New Haven Co., Conn.  
 Swart, Jacob.....Washington Co., Pa.  
 Straub, M. C.....Blair Co., Pa.  
 Strawn, A. E.....Fayette Co., Pa.  
 Shimel, Robert.....Defiance Co., O.  
 Smull, Mrs. T. J.....Hardin Co., O.  
 Traband, P. J.....Cook Co., Ill.  
 Terry, Milo.....Mercer Co., O.  
 Thurston, Millie.....Oakland Co., Mich.  
 Wilson, Geo., Jr.....Allegheny Co., Pa.  
 Wagenheim, A.....Wayne Co., Mich.  
 Wollam, Nora.....Hardin Co., O.

## NORMAL SCHOOL.

## Juniors.

- Akers, W. D.....Wyandot Co., O.  
 Armstrong, G. B.....Wyandot Co., O.  
 Baker, Roscoe.....Shelby Co., O.  
 Bowers, Vinnie.....Hancock Co., O.  
 Ernsberger, Paul.....Hardin Co., O.  
 Foley, R. R.....Hardin Co., O.  
 Fogle, Clyde T.....Guernsey Co., O.  
 Jamison, Laura.....Hardin Co., O.  
 Lanker, P. T.....Wyandot Co., O.  
 Montgomery, Pearl.....Auglaize Co., O.  
 Ottmer, Helen.....Washington Co., Wis.  
 Palmer, Ellen.....Morgan Co., O.  
 Yeoman, Ollie.....Madison Co., O.

## Unclassified.

- Anderson, Ammert  
     Allegheny Co., Pa.  
 Anselment, Mayetta.....Marion Co., O.  
 Andrews, Charles.....Mercer Co., O.  
 Avery, Fred.....Wabash Co., Ind.  
 Ashbaugh, Seymour.....Mercer Co., O.  
 Anderson, Robert.....Highland Co., O.  
 Argo, Cecil.....Union Co., O.  
 Alexander, J. B.....Auglaize Co., O.  
 Andrews, Mary.....Allen Co., O.  
 Andrews, Ethel.....Allen Co., O.  
 Akers, Dulcie.....Auglaize Co., O.  
 Anderson, Amy.....Venango Co., Pa.  
 Adams, Mae.....Lawrence Co., O.  
 Artz, Louise.....Franklin Co., O.  
 Amstutz, Jacob.....Allen Co., O.  
 Barton, R. M.....Juniata Co., Pa.  
 Baumunk, F. S.....Hardin Co., O.  
 Buck, Harry.....Wood Co., O.  
 Beard, Stephen.....Paulding Co., O.  
 Boomersshine, H. B.  
     Montgomery Co., O.  
 Ballinger, C. L.....Logan Co., O.  
 Bird, Clarence.....Logan Co., O.  
 Borden, Charles.....Shelby Co., O.  
 Barrett, Floyd.....Scioto Co., O.  
 Billingsley, G. H.....Paulding Co., O.  
 Berlincourt, Waldon  
     Sandusky Co., O.  
 Bandeen, Beryl.....Wood Co., O.  
 Briggs, Emma.....Washington Co., Pa.  
 Baughman, Ruth.....Summit Co., O.  
 Briggs, Blanche.....Hardin Co., O.  
 Baker, Hertha.....Marion Co., O.



Bowland, Jessie.....	Hardin Co., O.	Davis, Lee .....	Union Co., O.
Brown, Ruby .....	Wood Co., O.	Dunipace, Elwin.....	Wood Co., O.
Bond, Mary.....	Greene Co., O.	Davis, D. D. ....	Hardin Co., O.
Boyer, Marie.....	Lucas Co., O.	DuBois, Edward.....	Auglaize Co., O.
Beckham, Bess.....	Union Co., O.	DeBolt, D. G.....	Wyandot Co., O.
Brinser, Mary.....	Logan Co., O.	Dwinnell, Phill.....	Delaware Co., O.
Bayhen, Mary.....	Auglaize Co., O.	Decker, Fred .....	Delaware Co., O.
Britton, Effie .....	Allen Co., O.	Dearth, O. A.....	Noble Co., O.
Blosser, Bessie E.....	Fayette Co., Pa.	Doenges, O. C.....	Mercer Co., O.
Bettschen, Phoebe F.....	Allen Co., O.	Deatrick, Claude E.....	Defiance Co., O.
Blanchard, Aline.....	Paulding Co., O.	Dunson, Maude .....	Hardin Co., O.
Bentley, Jessie.....	Paulding Co., O.	Dickey, Alva.....	Columbiana Co., O.
Bates, Bertha.....	Paulding Co., O.	Dulabaum, Elmer.....	Wayne Co., O.
Briggs, Sylvia.....	Williams Co., O.	Dally, Opal .....	Allen Co., O.
Beis, Nellie.....	Wyandot Co., O.	Davis, Winnie .....	Paulding Co., O.
Barnhart, Valeria.....	Butler Co., Pa.	Dickinson, Ollan.....	Logan Co., O.
Bordon, Grace .....	Wyandot Co., O.	Diehl, Flossie.....	Darke Co., O.
Bordon, Cleo .....	Wyandot Co., O.	Diller, Lessa E.....	Allen Co., O.
Beers, Cora A.....	Warren Co., N. J.	DeVarna, Dora.....	Wood Co., O.
Bruning, Marie .....	Wood Co., O.	Darbaugh, Beulah.....	Shelby Co., O.
Beatty, Blanche .....	Logan Co., O.	Dine, Ida.....	Mercer Co., O.
Baker, Laura V.....	Huron Co., O.	Dumbauld, Mary.....	Licking Co., O.
Burkhart, Austa .....	Marion Co., O.	Dean, Edna .....	Putnam Co., O.
Brown, Fannie .....	Allen Co., O.	Day, Millie .....	Fayette Co., O.
Butte, Ethel L.....	Licking Co., O.	Darnell, Anna .....	Morgan Co., O.
Burgess, Bertha .....	Allen Co., O.	DeGood, Hazel .....	Union Co., O.
Bower, Marie.....	Wyandot Co., O.	Davisson, Alma .....	Scioto Co., O.
Bailey, Gustave.....	Logan Co., O.	Dennis, Margaret .....	Lucas Co., O.
Be Van, Margaret.....	Hardin Co., O.	Dauer, Amelia .....	Wood Co., O.
Beagle, Beff .....	Hardin Co., O.	Ekleberry, Maidie.....	Hardin Co., O.
Conner, Earl .....	Auglaize Co., O.	Ekleberry, Lottie.....	Hardin Co., O.
Castle, Ray .....	Logan Co., O.	Ensminger, H. L.....	Hardin Co., O.
Carpenter, Mae.....	Shelby Co., O.	Eshman, Charles.....	Shelby Co., O.
Caufield, A. A.....	Wood Co., O.	Eslewine, A. J.....	Monroe Co., O.
Cook, Irvin .....	Crawford Co., O.	Evans, Otho R.....	Putnam Co., O.
Cole, C. C.....	Richland Co., O.	England, R. D.....	Hardin Co., O.
Cole, B. H.....	Richland Co., O.	Eddy, Oliver .....	Union Co., O.
Cook, Harry E.....	Crawford Co., O.	Ewing, Frances F.....	Hancock Co., O.
Combs, Earl W.....	Putnam Co., O.	Evenbeck, Hettie .....	Wood Co., O.
Craft, Neal .....	Hardin Co., O.	Eddy, Eva B.....	Hardin Co., O.
Crawford, W. J.....	Lawrence Co., Pa.	Early, Oklahoma.....	Hardin Co., O.
Crouse, Mensie D.....	Richland Co., O.	Emmons, Tena.....	Putnam Co., O.
Chamblin, Edith .....	Wood Co., O.	Exline, Janie.....	Hardin Co., O.
Coensparger, Gail.....	Allen Co., O.	Exline, Alice W.....	Hardin Co., O.
Cronbaugh, Flo.....	Hardin Co., O.	Frey, Millard.....	Logan Co., O.
Cole, Jessie .....	Hancock Co., O.	Fantz, Franklin .....	Allen Co., O.
Culp, Eva .....	Logan Co., O.	Fulk, Charles .....	Paulding Co., O.
Campbell, Grace .....	Marion Co., O.	Fisher, Ralph .....	Hardin Co., O.
Cremean, Laurel H.....	Hardin Co., O.	Finch, R. B.....	Delaware Co., O.
Cutler, Nora .....	Pike Co., O.	Foulke, Oscar.....	Richland Co., O.
Cutler, Helen .....	Pike Co., O.	Ford, Perry .....	Putnam Co., O.
Colegrove, Lena M.....	Ashtabula Co., O.	Frick, J. F.....	Mercer Co., O.
Cox, Stella .....	Paulding Co., O.	Fry, Dean .....	Darke Co., O.
Carroll, Cecile .....	Mercer Co., O.	Fox, Charles L.....	Defiance Co., O.
Case, Carrie.....	Licking Co., O.	Franklin, Grace .....	Allen Co., O.
Crooks, Lelia M.....	Franklin Co., O.	Finzel, Lucy .....	Lucas Co., O.
Coe, Orpha .....	Crawford Co., O.	Funk, Mary.....	Tuscarawas Co., O.
Closson, Etta .....	Paulding Co., O.	Ferree, Grace .....	Shelby Co., O.
Cannan, Mertace.....	Williams Co., O.	Forgeson, Novelle.....	Sandusky Co., O.
Chandler, Ruth.....	Wyandot Co., O.	Fisher, Daisy .....	Paulding Co., O.
Chandler, Marie.....	Wyandot Co., O.	France, Bertha .....	Wood Co., O.
Chapman, Elsie.....	Allen Co., O.	Foltz, Irma .....	Hancock Co., O.
Davis, Warner .....	Hardin Co., O.	Foltz, Cora .....	Hancock Co., O.
Dinsmore, James, Jr.....	Wayne Co., O.	Foark, Carrie M.....	Franklin Co., O.



- Frysinger, Edna F.... Henry Co., O.  
 Fullerton, Hazel..... Logan Co., O.  
 Gillespie, James M.... Shelby Co., O.  
 Gillespie, F. L..... Miami Co., O.  
 Goldsmith, Oliver... Crawford Co., O.  
 Garn, Charles V.... Ottawa Co., O.  
 Graham, H. W.... Pickaway Co., O.  
 Graves, Charles A... Vinton Co., O.  
 Goble, Warren..... Paulding Co., O.  
 Gallier, Mabel..... Wood Co., O.  
 Gillespie, Mary..... Miami Co., O.  
 Graham, Mildred I... Crawford Co., O.  
 Gray, Gertrude..... Marion Co., O.  
 Glass, Frona..... Morgan Co., O.  
 Garrett, Lila..... Morgan Co., O.  
 Gorsuch, Hetty B.... Licking Co., O.  
 Hehr, W. V..... Wyandot Co., O.  
 Huston, Harry..... Somerset Co., Pa.  
 Hatfield, Wm. R.... Logan Co., O.  
 Hefflefinger, Hazel... Hardin Co., O.  
 Harrington, Allen... Union Co., O.  
 Hanna, Clyde..... Hardin Co., O.  
 Harman, Chester... Putnam Co., O.  
 Harrod, Fred..... Auglaize Co., O.  
 Hablitzel, Ernest W.,  
     Van Wert Co., O.  
 Hunt, E. B..... Hardin Co., O.  
 Hook, Ernest..... Van Wert Co., O.  
 Hocker, Levi..... Daulphin Co., Pa.  
 Hocker, Albert, Jr... Daulphin Co., Pa.  
 Hudson, Clarence... Miami Co., Ind.  
 Henderson, Dudley... Allen Co., O.  
 Howe, Glenn..... Cuyahoga Co., O.  
 Hartinger, George... Pickaway Co., O.  
 Hocker, Fred..... Crawford Co., O.  
 Harbaugh, Myrtle... Wood Co., O.  
 Hill, John L..... Hardin Co., O.  
 Hoffer, Frank W... Paulding Co., O.  
 Hensel, Minnie V... Van Wert Co., O.  
 Hoover, W. H.... Richland Co., O.  
 Holway, Paul..... Madison Co., O.  
 Heffner, George G... Allen Co., O.  
 Heffner, Ray..... Allen Co., O.  
 Harrod, Ava..... Auglaize Co., O.  
 Henry, Ilo..... Hardin Co., O.  
 Hoover, Mary E... Coshocton Co., O.  
 Holton, Dulcia A... Sandusky Co., O.  
 Hawes, Esther..... Hardin Co., O.  
 Hutchinson, Laura... Hardin Co., O.  
 Heitlen, Mac..... Shelby Co., O.  
 Haskins, Mae..... Scioto Co., O.  
 Hammond, Rena... Hancock Co., O.  
 Hall, Zella L..... Ottawa Co., O.  
 Hondenschield, Mayo... Hardin Co., O.  
 Harris, Hazel H... Hancock Co., O.  
 Hoover, Mae..... Allen Co., O.  
 Hummel, Goldie... Pickaway Co., O.  
 Hamilton, Mary E... Union Co., O.  
 Hadsell, Etta..... Hardin Co., O.  
 Heitzman, Maud... Putnam Co., O.  
 Hallett, Lucia E... Wyandot Co., O.  
 Helwig, Ruth..... Marion Co., O.  
 Hooker, Angeline... Wood Co., O.  
 Irwin, Ivan..... Hardin Co., O.  
 Iams, Charles... Washington Co., Pa.  
 Isaly, Selma..... Richland Co., O.  
 Ingram, Elva..... Williams Co., O.  
 Ingersoll, Matilda... Union Co., O.  
 Ingersoll, Mary E... Union Co., O.  
 Johnston, Harry..... Union Co., O.  
 Johnson, Leonard... Henry Co., O.  
 Jones, Hazel..... Richland Co., O.  
 Jenner, Dale..... Hardin Co., O.  
 Johanssen, Elsie... Wood Co., O.  
 Joseph, Hattie..... Allen Co., O.  
 Johnson, Catha A... Morgan Co., O.  
 Kennedy, Ralph C... Marion Co., O.  
 Krisher, Ralph..... Hardin Co., O.  
 Koons, Ora A..... Richland Co., O.  
 Kinseley, Lee..... Hardin Co., O.  
 Kraft, Francis I... Hardin Co., O.  
 Kibler, Eugene..... Crawford Co., O.  
 Kelley, Anna..... Hardin Co., O.  
 Kress, Otto E..... Brown Co., O.  
 Kress, W. W..... Brown Co., O.  
 Kerman, Nellie G... Henry Co., O.  
 Kirkland, Frances... Union Co., O.  
 Keeran, Ethel..... Putnam Co., O.  
 Ketring, Sara..... Darke Co., O.  
 Kimble, Lovina... Wayne Co., O.  
 Kilpatrick, Golda... Paulding Co., O.  
 Kime, Orpha..... Williams Co., O.  
 Lacey, Warren D... Hardin Co., O.  
 Lewis, Vada..... Van Wert Co., O.  
 Lones, Elza..... Hardin Co., O.  
 Littleton, Charles... Hardin Co., O.  
 Lusk, Carson..... Auglaize Co., O.  
 Long, Ross..... Greene Co., Pa.  
 Laser, Charles..... Richland Co., O.  
 Leathers, Chauncey... Van Wert Co., O.  
 Longbraker, Hodge... Logan Co., O.  
 Lash, Walter..... Stark Co., O.  
 Lucas, Ruth G..... Wood Co., O.  
 Landes, Walter..... Allen Co., O.  
 Lowry, Earl L... Wyandot Co., O.  
 Lyon, O. G..... Sandusky Co., O.  
 Link, Wm. .... Auglaize Co., O.  
 Lacey, Zelma..... Hardin Co., O.  
 Lones, Vere..... Hardin Co., O.  
 Lockwood, Alice... Union Co., O.  
 La Rue, Cora..... Crawford Co., O.  
 Ludwig, Hazel..... Allen Co., O.  
 Lahnan, Ethel L... Trumbull Co., O.  
 Lowery, Edith..... Wyandot Co., O.  
 Laike, Rose M..... Putnam Co., O.  
 Leedy, Nellie..... Allen Co., O.  
 Louthan, Maude E... Hardin Co., O.  
 Leavengood, Carrie  
     Coshocton Co., O.  
 Leawing, Ruby G... Wood Co., O.  
 Leech, Mary..... Richland Co., O.  
 Lutz, Sadie..... Wyandot Co., O.  
 Milligan, H. E..... Brown Co., O.  
 Milligan, H. H..... Brown Co., O.  
 Myres, O..... Auglaize Co., O.  
 McQuown, James... Hardin Co., O.  
 Moore, Russell O... Somerset Co., Pa.  
 McCormick, Lewis... Richland Co., O.



- McAdams, G. M. .... Auglaize Co., O.  
 Musgrave, B. O. .... Hancock Co., O.  
 Musgrave, W. L. .... Hardin Co., O.  
 Messenger, Jerome ... Marion Co., O.  
 Morrison, Goldie ... Shelby Co., O.  
 Mayer, Howard E. .... Allen Co., O.  
 McClelland, J. L. .... Jefferson Co., O.  
 McDougle, M. L. .... Auglaize Co., O.  
 McMillen, L. A. .... Delaware Co., O.  
 Moreland, Ben. .... Van Wert Co., O.  
 Martin, Forest. .... Franklin Co., O.  
 Mohr, W. L. .... Paulding Co., O.  
 Meranda, J. W. .... Brown Co., O.  
 Myres, Charles O. .... Putnam Co., O.  
 Musgrave, C. D. .... Hancock Co., O.  
 Myers, Marie. .... Seneca Co., O.  
 Miller, Lola. .... Licking Co., O.  
 Muir, Ruth. .... Wood Co., O.  
 Mason, Hilda. .... Lorain Co., O.  
 Morgan, Adaline. .... Lucas Co., O.  
 Montgomery, Fern. .... Hardin Co., O.  
 Mark, Edna. .... Allen Co., O.  
 Meyer, Edith. .... Miami Co., O.  
 Meyer, Maud. .... Miami Co., O.  
 McPheron, Lena. .... Allen Co., O.  
 McGlinchay, Viola B.,  
     Franklin Co., O.  
 Mummert, Florence,  
     Montgomery Co., O.  
 Metzger, Joanna ... Delaware Co., O.  
 Madden, Bertha ... Blair Co., Pa.  
 McClure, Viola ... Paulding Co., O.  
 McKunkin, Loretta ... Fayette Co., O.  
 Matheny, Goldie ... Wood Co., O.  
 Major, Blanche ... Hardin Co., O.  
 Miller, Nellie ... Licking Co., O.  
 Moncrief, Mary ... Columbiana Co., O.  
 McElhiney, Blanche ... Morgan Co., O.  
 McElhiney, Cassie ... Morgan Co., O.  
 McCormick, Jessie ... Wood Co., O.  
 Newburn, Austin ... Morgan Co., O.  
 Nietz, J. A. .... Wood Co., O.  
 Nicholas, Anna ... Wood Co., O.  
 Newcomb, Alice ... Mercer Co., O.  
 Oppy, J. A. .... Scioto Co., O.  
 Osborne, Frederick ... Lawrence Co., O.  
 Oppy, Charles E. .... Scioto Co., O.  
 Orthwein, Ruth ... Crawford Co., O.  
 Priest, Guy S. .... Ashland Co., O.  
 Pratt, Harry ... Hardin Co., O.  
 Price, Frederick N. ... Hancock Co., O.  
 Pettey, Agnes M. .... Union Co., O.  
 Phillips, Emil ... Logan Co., O.  
 Park, C. C. .... Coshocton Co., O.  
 Pierce, John ... Allen Co., O.  
 Pees, Mahala ... Hardin Co., O.  
 Palmer, Mabel ... Van Wert Co., O.  
 Parker, Mary ... Licking Co., O.  
 Pugh, Essie ... Jackson Co., O.  
 Paden, Mary ... Hardin Co., O.  
 Palmer, Gladys ... Henry Co., O.  
 Parker, Nellie R. ... Wyandot Co., O.  
 Phillips, Sadie ... Wood Co., O.  
 Phillips, Amy ... Hardin Co., O.  
 Pade, Harley ... Hardin Co., O.  
 Quaintance, Hannah,  
     Wyandot Co., O.  
 Raabe, Mary ... Putnam Co., O.  
 Rogers, Homer. .... Putnam Co., O.  
 Roth, Theodore ... Huron Co., O.  
 Richey, Hugh E. .... Ashland Co., O.  
 Rusher, Walter ... Hardin Co., O.  
 Rodabaugh, Shird ... Hancock Co., O.  
 Ramsey, Glen ... Hancock Co., O.  
 Rodabaugh, Ray R. ... Hancock Co., O.  
 Rogers, O. A. .... Shelby Co., O.  
 Reed, E. C. .... Pickaway Co., O.  
 Remington, F. J. ... Wyandot Co., O.  
 Roof, Blanche ... Hardin Co., O.  
 Rutier, Bessie ... Monroe Co., O.  
 Raymond, Catherine ... Putnam Co., O.  
 Runser, Genevieve ... Hardin Co., O.  
 Rose, Vieona ... Greene Co., Pa.  
 Reiglei, Hazel ... Sandusky Co., O.  
 Roof, Wilma C. .... Carroll Co., O.  
 Roof, Mabel ... Carroll Co., O.  
 Ruland, Nettie F. ... Ashtabula Co., O.  
 Roof, Odessa ... Carroll Co., O.  
 Rees, Mona ... Mercer Co., O.  
 Reinhart, Maggie ... Auglaize Co., O.  
 Roberts, Vera V. ... Morgan Co., O.  
 Reed, Sadie ... Putnam Co., O.  
 Robison, Altona ... Crawford Co., O.  
 Richardson, Waneda,  
     Richland Co., O.  
 Roman, Emma A. ... Shelby Co., O.  
 Schaal, Elmer ... Crawford Co., O.  
 Smith, Everett ... Morrow Co., O.  
 Sanderson, Albert ... Fairfield Co., O.  
 Sheets, V. T. .... Hardin Co., O.  
 Sauers, Raymond ... Preble Co., O.  
 Seiler, L. J. .... Hardin Co., O.  
 Sneeringer, G. E. ... Wyandot Co., O.  
 Swartz, Melvin ... Stark Co., O.  
 Sprang, Evelyn ... Holmes Co., O.  
 Shick, Harley ... Hardin Co., O.  
 Strahn, Dale ... Hardin Co., O.  
 Shy, Frank ... Pike Co., O.  
 Schumann, Charles ... Shelby Co., O.  
 Spirnger, Oliver ... Mercer Co., O.  
 Shriver, A. H. .... Monroe Co., O.  
 Stager, Joy O. .... Hancock Co., O.  
 Scott, Lee ... Ashland Co., O.  
 Stockton, Chas. ... Allen Co., O.  
 Smith, J. Warren ... Holmes Co., O.  
 Sprigg, Morris ... Paulding Co., O.  
 Smith, J. M. .... Pike Co., O.  
 Slack, S. A. .... Gallia Co., O.  
 Snider, Gladys ... Auglaize Co., O.  
 Snider, Rae ... Auglaize Co., O.  
 Scott, Ernest ... Allen Co., O.  
 Shipley, V. .... Wood Co., O.  
 Swickert, Alton C. ... Scioto Co., O.  
 Saul, Emily L. .... Seneca Co., O.  
 Slavens, Alva ... Pike Co., O.  
 Swinchart, Emma ... Wyandot Co., O.  
 Stamm, Cleo ... Wyandot Co., O.  
 Starrett, Guy ... Ashland Co., O.



Shepherd, Edward T.	Madison Co., O.	Trepanier, Ada	Wood Co., O.
Stultz, O. E.	Hancock Co., O.	Taylor, Ione	Mercer Co., O.
Sumption, Vernon	Monroe Co., O.	Terry, Jennie	Hardin Co., O.
Steinbaugh, Eugene	Auglaize Co., O.	Troyer, Minnie	Tuscarawas Co., O.
Sullivan, M. C.	Shelby Co., O.	Valentine, L. L.	Peoria Co., Ill.
Spain, Mabel	Union Co., O.	Van Horn, Russell	Hardin Co., O.
Surbeck, Letta	Lucas Co., O.	Vandevier, Guy	Auglaize Co., O.
Schmitt, Pauline	Hardin Co., O.	Vermillion, H. L.	Licking Co., O.
Stacey, Bernice	Wood Co., O.	Vandersail, Ray L.	Summit Co., O.
Stober, Dora	Hardin Co., O.	Vail, Mary	Morrow Co., O.
Sproul, Vera	Auglaize Co., O.	Vermillion, Zola	Licking Co., O.
Schwartz, Clara	Shelby Co., O.	Vermillion, Ethel	Licking Co., O.
Stephens, Clara B.	Greene Co., Pa.	Vester, Lillian	Mercer Co., O.
Seig, Kate	Hardin Co., O.	Wilburt, J. H.	Sandusky Co., O.
Slavens, Clara	Pike Co., O.	Wicks, F. E.	Ashland Co., O.
Schmidt, Alma	Fulton Co., O.	Wurtz, Carrie	Shelby Co., O.
Sieg, May	Hardin Co., O.	Ward, Beulah	Ross Co., O.
Scott, Jennie	Pike Co., O.	Walton, B. F.	Wyandot Co., O.
Shillinger, Inez	Miami Co., O.	Winegardner, Arthur	Allen Co., O.
Seitz, Loretta	Auglaize Co., O.	White, C. E.	Clinton Co., Pa.
Shaller, Bertha	Wood Co., O.	Watson, Lloyd	Fayette Co., Pa.
Smith, Bernice	Carroll Co., O.	Walborn, Marion	Van Wert Co., O.
Stone, Pansy	Trumbull Co., O.	Wiley, P. R.	Monroe Co., O.
Smith, Verna	Hardin Co., O.	Warren, John	Tuscarawas Co., O.
Stultz, Pauline	Hancock Co., O.	Wilkins, W. C.	Champaign Co., O.
Sneeringer, Nettie R.	Wyandot Co., O.	Wagner, Elva	Crawford Co., O.
Sheets, Gail	Hardin Co., O.	Windle, Joseph	Putnam Co., O.
Snyder, Blanche	Hardin Co., O.	Ward, Beulah	Ross Co., O.
Schuchardt, Grace	Hancock Co., O.	Weston, Leora A.	Summit Co., O.
Tabor, Mason	Hardin Co., O.	Weaver, Opal	Morrow Co., O.
Thomas, Cecil V.	Hardin Co., O.	Weidner, Cora M.	Wood Co., O.
Taylor, Alford	Hardin Co., O.	Wilson, Martha	Fayette Co., Pa.
Tuttle, Shelby	Shelby Co., O.	Wilson, Eva M.	Fayette Co., Pa.
Tressel, Ray	Hardin Co., O.	Wilkinson, Vashti	Columbiana Co., O.
Thompson, Chas. J.	Harrison Co., O.	Wyburn, Blanche	Hardin Co., O.
Taylor, C. W. G.	Seneca Co., O.	Worthington, Edith	Morrow Co., O.
Tabor, Geneva	Hardin Co., O.	Welker, Goldie	Hardin Co., O.
Taylor, Byrle	Logan Co., O.	Wise, Ella	Clinton Co., Pa.
Taylor, Ilo	Fayette Co., O.	Young, Alice M.	Wyandot Co., O.
Tipple, Fairie	Hancock Co., O.	Younger, W. S.	Mercer Co., O.
Tipple, Carrie	Hancock Co., O.	Zeigler, Opal	Putnam Co., O.

## PREPARATORY.

Alvarez, Frederico	Cagnac, Porto Rico	Campbell, Vera	Hardin Co., O.
Adams, C. C.	Wood Co., O.	Coulson, John	Knox Co., O.
Ashcroft, D. L.	Muskingum Co., O.	Clutter, Guy L.	Licking Co., O.
Burke, Wm. P.	Starke Co., O.	Castle, Ray	Logan Co., O.
Brenneman, A. S.	Allen Co., O.	Carrera, E.	Cabiguan, Cuba
Bennett, James	Fayette Co., Pa.	Church, John S.	Wetsel Co., W. Va.
Burnley, H. W.	Mercer Co., W. Va.	Coon, Olivia	Rock Island Co., Ill.
Bailey, Lehr	Auglaize Co., O.	Callif, William	Franklin Co., O.
Beers, Grace	Marion Co., O.	Dell, P. H., Jr.	Westmoreland Co., Pa.
Berryhill, J. E.	Greene Co., O.	De Bolt, G. R.	Wyandot Co., O.
Bendell, Rodger W.	Cuyahoga Co., O.	Douch, E. O.	Hamilton Co., O.
Bartley, F. L.	Ashland Co., O.	Du Mars, Chas. V.	Mercer Co., Pa.
Brast, Louis	Belmont Co., O.	Dunlap, J. R., Jr.	Allen Co., O.
Baughman, Ruth	Summit Co., O.	Deeds, Ross	Coshocton Co., O.
Burt, Pearle	Paulding Co., O.	Elliott, Homer E.	Marion Co., O.
Billar, Grace	Seneca Co., O.	Everhart, T. H.	Fayette Co., O.
Beiler, Lois	Allen Co., O.	Emery, C. R.	Henry Co., O.
Banter, Bertha	Mercer Co., O.	Floyd, Homer S.	Hocking Co., O.
		Fisher, H. M.	Westmoreland Co., Pa.



- Freed, F. E. .... Hancock Co., O.  
 Franklin, Grace ..... Allen Co., O.  
 Falls, Blanche ..... Wood Co., O.  
 Gregory, Fred. .... Columbiana Co., O.  
 Gloub, Marguerite. .... Hamilton Co., O.  
 Green, Dale ..... Miami Co., O.  
 Gatschell, Ralph. .... Allen Co., O.  
 Geiger, L. N. .... Licking Co., O.  
 Hautz, Leroy M. .... Noble Co., Ind.  
 Hughes, Harry H. .... Delaware Co., O.  
 Hummon, Floyd .... Putnam Co., O.  
 Hill, Charlie ..... Mercer Co., O.  
 Harpel, S. A. .... Henry Co., O.  
 Hawkins, D. C. .... Medina Co., O.  
 Hosler, Kenneth B. .... Hancock Co., O.  
 Hoff, Gilbert. .... Columbiana Co., O.  
 Harper, L. E. .... Henry Co., O.  
 Hixson, C. R. .... Franklin Co., O.  
 Hubbard, Frank E. .... Cuyahoga Co., O.  
 Hayes, H. E. .... Lawrence Co., O.  
 Hamilton, Irene .... Mercer Co., O.  
 Haney, Bess ..... Logan Co., O.  
 Hall, Samuel ..... Hardin Co., O.  
 Hamilton, Ray ..... Hardin Co., O.  
 Irwin, Perle R. .... Muskingum Co., O.  
 Ireland, C. Byron. .... Van Wert Co., O.  
 Jordan, Orphus .... Hardin Co., O.  
 Jackson, M. A. .... Woodford Co., Ky.  
 Joseph, J. C. .... Wood Co., O.  
 Judkins, I. F. .... Allen Co., O.  
 Johnson, W. L. .... Carroll Co., O.  
 Johnson, Otis ..... Fulton Co., O.  
 Karpis, John. .... McHenry Co., Ill.  
 Keller, Raymond. .... Delaware Co., O.  
 Kennedy, James W. ....  
     Wetzel Co., W. Va.  
 Levering, Morris ..... Knox Co., O.  
 Laurence, Dan ..... Allen Co., O.  
 Livezy, Jesse O. .... Mason Co., W. Va.  
 Loring, Fred T. .... McKean Co., Pa.  
 Lee, S. Y. .... Yun-nan, China  
 Loop, Zada ..... Paulding Co., O.  
 Lanker, Facirie .... Wyandot Co., O.  
 Mouser, Justus .... Paulding Co., O.  
 McCammon, J. White. .... Hardin Co., O.  
 McClelland, B. F. .... Jefferson Co., O.  
 Miller, V. R. .... Henry Co., O.  
 McPherson, Earl E. ....  
     Allegheny Co., Pa.  
 Mulcahy, Ned ..... Union Co., O.  
 Moore, H. E. .... Paulding Co., O.  
 Mollenkopf, Milton. .... Crawford Co., O.  
 Montgomery, Edgar M. ....  
     Van Wert Co., O.  
 Meek, C. M. .... Wood Co., O.  
 Martin, O. R. .... Darke Co., O.  
 McDannel, Melvin A. .... Stark Co., O.  
 Mouser, Roy ..... Paulding Co., O.  
 Melvin, F. E. .... Lawrence Co., O.  
 McPherson, Lena ..... Allen Co., O.  
 Mayer, Jennie ..... Lucas Co., O.  
 Montgomery, Pearl. .... Auglaize Co., O.  
 Montgomery, Josephine ....  
     Auglaize Co., O.  
 Mulcahey, Ned. .... Union Co., O.  
 Morris, Glenna. .... Putnam Co., O.  
 Neiswander, L. C. .... Hancock Co., O.  
 O'Neill, Mabelle. .... Cuyahoga Co., O.  
 Peterson, Eugene. .... Hardin Co., O.  
 Parker, Roy ..... Licking Co., O.  
 Patterson, Leo. .... Cuyahoga Co., O.  
 Peters, Henry. .... Putnam Co., O.  
 Pond, Omar. .... Paulding Co., O.  
 Palmer, Chas. E. .... Hardin Co., O.  
 Rose, R. Ward. .... Trumbull Co., O.  
 Richmond, H. W. .... Adams Co., O.  
 Ragner, Bernhard. .... Allegheny Co., Pa.  
 Rhode, J. C. .... Jefferson Co., O.  
 Ream, Wm. .... Hardin Co., O.  
 Raridon, S. R. .... Ashland Co., O.  
 Richardson, John. .... Allen Co., O.  
 Roberts, Edith. .... Hancock Co., O.  
 Smith, Paul S. .... Hardin Co., O.  
 Smith, Everett. .... Morrow Co., O.  
 Shioe, Raymond. .... Berkley Co., W. Va.  
 Searson, Arden. .... Hardin Co., O.  
 Swickard, R. F. .... Jefferson Co., O.  
 Syster, H. N. .... Westmoreland Co., Pa.  
 Schiff, Harry. .... Montgomery Co., O.  
 Shirey, D. C. Buell. .... Fayette Co., Pa.  
 Steiner, Leo. .... Hardin Co., O.  
 Strong, L. F. .... New York Co., N. Y.  
 Serrano, A. G., Jr. .... Textla, Mexico  
 Shepherd, E. T. .... Madison Co., O.  
 Sturm, Sybil. .... Harrison Co., W. Va.  
 Sprowls, Ida. .... Washington Co., Pa.  
 Show, Ocie. .... Putnam Co., O.  
 Tabler, Stella. .... Henry Co., O.  
 Thomas, Charles. .... Pike Co., O.  
 Thomas, Helen I. .... Gallia Co., O.  
 Utley, G. L. .... Delaware Co., O.  
 Van Devort, G. H. .... Henry Co., O.  
 Welch, F. G. .... Clarke Co., O.  
 Williams, L. T. .... Columbiana Co., O.  
 Whisler, Senn. .... Hancock Co., O.  
 Weber, Alma. .... Hamilton Co., O.  
 Williams, Louella. .... Fulton Co., O.  
 Yinger, John A. .... Camden Co., N. J.  
 Yoho, J. E. .... Morrison Co., W. Va.



## COLLEGE OF ENGINEERING.

## CIVIL.

## Juniors.

Bushey, Harry.....	Richland Co., O.	Knight, G. L.....	Morgan Co., O.
Carey, Clyde.....	Hardin Co., O.	Linn, W. M.....	Venango Co., Pa.
Cloyd, John R.....	Huntington Co., Pa.	Maury, Grover.....	Monroe Co., O.
Clarke, Geo. R.....	Wirt Co., W. Va.	Monks, W. E.....	Butler Co., Pa.
Diefendorf, A.....	Essex Co., N. J.	Merry, E. L.....	Noble Co., O.
Davis, Seymour.....	Franklin Co., O.	Mollenauer, F. S.....	Washington Co., Pa.
Elvers, G. C.....	Hardin Co., O.	Mohr, R. E.....	Montgomery Co., O.
Evans, R. E.....	Mercer Co., Pa.	Nemezskey, Sam.....	Philadelphia Co., Pa.
Enterline, M. O.....	Jefferson Co., Pa.	Raymond, E. A.....	Jefferson Co., N. Y.
Fine, R. D., Jr.....	Hudson Co., N. J.	Storer, Amanda M.....	Marion Co., Ind.
Frye, V. A.....	Ottawa Co., O.	Thomas, Daniel.....	Lackawanna Co., Pa.
Gold, Max.....	Philadelphia Co., Pa.	Thompson, R. W.....	Trumbull Co., O.
Henneman, R. E.....	Hennepin Co., Minn.	Wilson, Chas. A.....	Mahoning Co., O.
Higus, N. N.....	Hennepin Co., Minn.		

## Unclassified.

Archer, A. A.....	Belmont Co., O.	Holtzapfel, Oscar.....	Allen Co., O.
Bennett, James.....	Fayette Co., Pa.	Huff, F. J.....	Coshocton Co., O.
Brandon, R. E.....	Wood Co., O.	Hord, H. F.....	Marion Co., O.
Baughman, Ross.....	Hancock Co., O.	Holliday, Guy.....	Licking Co., O.
Bown, Wm.....	Luzerne Co., Pa.	Holstein, Stuart.....	Jefferson Co., O.
Brown, John R.....	Pike Co., O.	Hegele, Robert.....	Champaign Co., O.
Barney, H. A.....	Columbia, So. Am.	Hatcher, T. V.....	Logan Co., O.
Bookwalter, P. S.....	Hardin Co., O.	Hullinger, W. P.....	Huntingdon Co., Ind.
Brast, Charles.....	Belmont Co., O.	Hauck, Chas. W.....	Warren Co., O.
Betts, W. A.....	Fairfield Co., Conn.	Helmrich, H. B.....	Tuscarawas Co., O.
Burnley, H. W.....	Merher Co., W. Va.	Ingraham, C. C.....	Hennepin Co., Minn.
Callaghan, Robt. T.....	Jackson Co., O.	Jackson, M. A.....	Woodford Co., Ky.
Cheng, C.....	San Francisco, Calif.	June, Orrin A.....	Allen Co., O.
Coensparger, Curtis.....	Allen Co., O.	Joseph, J. C.....	Wood Co., O.
Crage, R. B.....	New Haven Co., Conn.	Kahlbaum, Paul.....	Honolulu, Hawaii
Cottrell, W. J.....	Mesa Co., Colo.	Kemmer, Lloyd.....	Grant Co., Ind.
Clapsaddle, Floy.....	Logan Co., O.	Kerr, Wm. R.....	Stark Co., O.
Cummins, W. H.....	Wayne Co., Mich.	King, Wade S.....	Hancock Co., O.
Dale, Arnie A.....	Boon Co., Ind.	Lynn, Wm. D.....	Mahoning Co., O.
Daubenspeck, H. R.....	Summers Co., W. Va.	Lasoff, Benj.....	Kings Co., N. Y.
Dittman, R.....	Philadelphia Co., Pa.	Leapley, O. G.....	Shelby Co., O.
Ellis, John P. B.....	Barnstable Co., Mass.	Miller, V. R.....	Henry Co., O.
Fierbaugh, Frank.....	Harrison Co., O.	McCown, E. B.....	Lawrence Co., O.
Freeman, L. L.....	Wayne Co., Mich.	Mudge, E. O.....	Tioga Co., Pa.
Frye, A. J.....	Tippecanoe Co., Ind.	Murphy, H. G.....	Trumbull Co., O.
Friece, Guy.....	Pickaway Co., O.	Maurice, John F.....	McDowell Co., W. Va.
Frederick, Chas. F.....	Montgomery Co., Pa.	Maurer, Edward.....	Shelby Co., O.
Farley, F. D.....	Hillsboro Co., N. H.	McCrea, H. C.....	Indiana Co., Pa.
Farrell, Bliss.....	Hancock Co., O.	Miller, E. A.....	Grand Traverse Co., Mich.
Fork, Chas.....	Wood Co., O.	McGiffin, C. L.....	Lucas Co., O.
Fisher, J. H.....	Westmoreland Co., Pa.	Myers, Fred H.....	St. Louis Co., Minn.
Fisher, H. E.....	Highland Co., O.	Moorehead, Byron.....	Guernsey Co., O.
Graver, J. W.....	Ottawa Co., O.	Moorehead, Dwight.....	Guernsey Co., O.
Grinnell, Oliver.....	Stark Co., O.	Marmon, J. N.....	Hardin Co., O.
Goodwin, R. S.....	New Haven Co., Conn.	McCassy, S.....	Montgomery Co., O.
Galvin, L. J.....	Eric Co., N. Y.	Musante, C. J.....	Fairfield Co., Conn.
Gould, W. V.....	Washington, D. C.	McCreary, W. K.....	Marshall Co., W. Va.
Geiger, Henry.....	Hardin Co., O.	Monks, E. H.....	Butler Co., Pa.
Huber, Charles E.....	Lucas Co., O.	Nessley, H. G.....	Licking Co., O.



- Neiswander, Thornton  
 Neidhardt, W. J. .... Holmes Co., O.  
 Oistad, Frank. .... Allen Co., O.  
 Orebaugh, John N. .... Cook Co., Ill.  
 Pressler, F. A. .... Warren Co., O.  
 Price, Paul. .... Seneca Co., O.  
 Payne, Francis. .... Hardin Co., O.  
 Ranlett, F. H. .... Athens Co., O.  
 Roach, T. L. .... Hudson Co., N. J.  
 Ritchie, F. R. .... Licking Co., O.  
 Reusswig, F. E. .... Summit Co., O.  
 Reusswig, Walter. .... Itasca Co., Minn.  
 Rogers, Elton G. .... Itasca Co., Minn.  
 Randles, C. O. .... Fairfield Co., Conn.  
 Rost, John W. .... Coshocton Co., O.  
 Reddish, Warren. .... Stark Co., O.  
 Smith, Raymond J. .... Montgomery Co., O.  
 Schulze, Frank. .... Butler Co., Pa.  
 Smith, Russell. .... Loraine Co., O.  
 Stamets, J. R. .... Venango Co., Pa.  
 Schellenberg, C. F. .... Allegheny Co., Pa.  
 Starford, Wm. .... Ohio Co., W. Va.  
 Shoolroy, Ross. .... Taylor Co., W. Va.  
 Shoolroy, Ross. .... Ashland Co., O.  
 Sullivan, Myron  
 Smith, Clare I. .... Livingston Co., N. Y.  
 Seaborne, C. R. .... New Haven Co., Conn.  
 Spruhan, Guy. .... Grand Merc, Can.  
 Tavior, Harris V. .... Montgomery Co., O.  
 Tiplady, Floyd. .... Seneca Co., O.  
 Taylor, J. C. .... Wood Co., O.  
 Troutwein, G. E. .... Hardin Co., O.  
 Thorpe, Wm. F. .... Wyandot Co., O.  
 Tregnhoff, Solomon  
 Uhrick, M. B. .... Davis Co., Ind.  
 Willeke, Fred. .... New York Co., N. Y.  
 White, R. R. .... Lancaster Co., Pa.  
 Walker, C. R. .... Hardin Co., O.  
 Walsh, E. R. .... Clay Co., Ky.  
 Wallace, R. J. .... Allegheny Co., Pa.  
 Webster, W. R. .... Lorain Co., O.  
 Wierman, Boyd. .... Huntingdon Co., Pa.  
 Yudowitch, Harry  
 Yudowitch, Harry  
 Hartford Co., Conn.

## ELECTRICAL.

## Juniors.

- Baumgartner, W. J.  
 Philadelphia Co., Pa.  
 Cottrell, W. J. .... Mesa Co., Colo.  
 Cloyd, John. .... Huntingdon Co., Pa.  
 Edwards, Elmer. .... Licking Co., O.  
 Hughes, G. A. .... Darke Co., O.  
 Jones, R. .... Allegheny Co., Pa.  
 Myers, C. M. .... Wood Co., O.  
 Olson, C. I. .... Pueblo Co., Colo.  
 Stecker, C. B.  
 West Chester Co., N. Y.  
 Small, G. H. .... Hamilton Co., Ind.  
 Shaffer, Irwin  
 Westmoreland Co., Pa.

## Unclassified.

- Ashley, Jerry. .... Mahoning Co., O.  
 Bowman, C. H. .... Paulding Co., O.  
 Berger, Francis. .... Warren Co., O.  
 Breuer, J. P. .... Winnebago Co., Ill.  
 Betts, G. A. .... Fairfield Co., Conn.  
 Borchers, Ralph M.  
 Montgomery Co., O.  
 Carmer, R. K. .... Chemung Co., N. Y.  
 Clutter, Guy L. .... Licking Co., O.  
 Cremean, Warren. .... Hardin Co., O.  
 Carlisle, Geo. L. .... Clearfield Co., Pa.  
 Coons, Chas. M. .... Wyandot Co., O.  
 Dicke, O. H. .... Auglaize Co., O.  
 Dell, P. H. .... Westmoreland Co., Pa.  
 Dorsten, George. .... Mercer Co., O.  
 Ellis, John P. B.  
 Barnstable Co., Mass.  
 Fournier, L. F. .... Bergen Co., N. J.  
 Fawcett, John A.  
 Washington Co., Pa.  
 Frankenberry, T. H.  
 St. Joseph Co., Ind.  
 Foltz, P. J. .... Hardin Co., O.  
 Freund, Chas. .... Hardin Co., O.  
 Grenader, M. A. .... Philadelphia Co., Pa.  
 Gonter, Allen. .... Tuscarawas Co., O.  
 Henderson, H. M. .... Franklin Co., Pa.  
 Hayes, Edgar. .... Trumbull Co., O.  
 Hall, Harold. .... Van Wert Co., O.  
 Inagaky, T. Y. .... Magaya, Japan  
 Johnston, J. C. .... Franklin Co., Pa.  
 Kahlbaum, Paul. .... Honolulu, Hawaii  
 Kellar, H. H. .... Allegheny Co., Pa.  
 Kendall, Paul E. .... Van Wert Co., O.  
 Keene, F. B. .... Barnstable Co., Mass.  
 Keefer, Glenn. .... Paulding Co., O.  
 Moore, J. W. .... Steuben Co., N. Y.  
 Myers, C. M. .... Wood Co., O.  
 Moore, F. L. .... Allen Co., O.  
 McCreary, Geo. .... Mahoning Co., O.  
 Miller, C. L. .... Daulphin Co., Pa.  
 Nixon, Crawford. .... Jefferson Co., O.  
 Neiswander, Roy. .... Lucas Co., O.  
 Penick, W. L. .... Benton Co., Ind.  
 Porter, W. H. .... Washington Co., Pa.  
 Pessoa, Hector. .... St. Paul, Brazil  
 Powis, Henry A.  
 Chautauqua Co., N. Y.  
 Penquite, Pearl. .... Clarke Co., O.  
 Paul, Wm. .... Lawrence Co., O.  
 Roe, Chester. .... Licking Co., O.  
 Rouch, J. E. .... Stark Co., O.  
 Rhode, J. C. .... Jefferson Co., O.  
 Roberts, L. A. .... Ashtabula Co., O.  
 Shirey, Will. .... Delaware Co., Ind.  
 Smith, Paul S. .... Hardin Co., O.



Sells, H. J.....	Hardin Co., O.	Wones, Frank.....	Warren Co., O.
Stephenson, Ray...	Van Wert Co., O.	Wright, H. H. L.	Chemung Co., N. Y.
Stubbs, E. J.....	Mercer Co., O.	Whittington, Minor....	Allen Co., O.
Trench, E. E.	New Haven Co., Conn.	Weckerley, Mark A....	Lucas Co., O.
Turner, Eugene.....	Hardin Co., O.	Wharton, Leslie....	Jefferson Co., Pa.
Van Buren, Harold...	Hardin Co., O.	Yoder, Arthur N.....	Lucas Co., O.
White, R. L.....	De Kalb Co., Ind.	Yambert, Dale.....	Wyandot Co., O.
Wilson, Chas. A....	Mahoning Co., O.	Zimmerman, J. S.....	Butler Co., Pa.

**MECHANICAL.****Junior.**

Huston, W. M.....Chester Co., Pa.

**Unclassified.**

Alter, Herbert....	Allegheny Co., Pa.	McGiffin, C. L.....	Lucas Co., O.
Baumgartner, W. J.	Philadelphia Co., Pa.	Miles, E. A.....	Summit Co., O.
Bruner, Fred.....	Lycoming Co., Pa.	McKillip, M. L.....	Fayette Co., O.
Clark, C. K.....	Mahoning Co., O.	McCleary, G. M....	Franklin Co., Pa.
Denman, H. B.....	Summit Co., O.	Owen, C. E.....	Fayette Co., W. Va.
Duvall, C. A....	Washington Co., Pa.	Olson, C. I.....	Pueblo Co., Colo.
Friedly, Paul.....	Hardin Co., O.	Plasic, Jack.....	Fairfield Co., Conn.
Fawcett, D. W....	Belmont Co., O.	Reid, Paul H.....	Logan Co., O.
Herrick, E. P.	New Haven Co., Conn.	Schuler, H. C.....	Beaver Co., Pa.
Johnston, Victor...	Lawrence Co., Pa.	Small, G.....	Hamilton Co., Ind.
Jones, W. F.....	Allegheny Co., Pa.	Wilson, D. A.....	Darke Co., Ind.

**Mining.**

Hubler, L. L.....Mahoning Co., O.      Proskine, J. L...Delaware Co., N. Y.

**ARCHITECTURE****Juniors.**

Miller, V. D.....Darke Co., O.      Snader, D. L....Baltimore Co., Md.

**Unclassified.**

Betts, W. A.....	Fairfield Co., Conn.	Landon, B. O.....	Hardin Co., O.
Harrod, Lloyd.....	Allen Co., O.	Nicholson, W. J....	Erie Co., N. Y.
Harvey, H. D.....	Hardin Co., O.	Schoonover, H. D....	Butler Co., Pa.
Haas, Robert M....	Essex Co., N. J.	Unger, Wm.....	Crawford Co., O.
Jones, Thomas P...	Jefferson Co., Pa.	Van Seayoc, Lee....	Butler Co., Pa.
Kissinger, M. C....	Indiana Co., Pa.		

**COLLEGE OF LAW.****Juniors.**

Cannon, Harry.....	Fayette Co., O.	Ream, Harry G.....	Summit Co., O.
Gribbell, Fred.....	Henry Co., O.	Swart, Jacob...	Washington Co., Pa.
Grzezinski, S. A....	Lucas Co., O.	Tanner, F. D.....	Medina Co., O.

**Unclassified.**

Allan, W. A. D.	Lackawanna Co., Pa.	Jackson, H. W.....	Defiance Co., O.
Bowers, O.....	Greene Co., O.	Landis, A. J.....	Snyder Co., Pa.
Doty, A. M.	Los Angeles Co., Calif.	Lake, L. P.....	Muskingum Co., O.
Doody, Will.....	Jackson Co., O.	Leech, Lloyd.....	Coshocton Co., O.
Ely, M. C.....	Coshocton Co., O.	Marchand, Ray.....	Stark Co., O.
Edwards, H. M....	Lawrence Co., O.	Markwood, J. D....	Hardin Co., O.
Fischer, John C....	Auglaize Co., O.	Meyer, K. F.....	Hardin Co., O.
Foust, C. L.....	Portage Co., O.	Powell, J. E.....	Stark Co., O.
Huffman, P. B....	Wood Co., O.	Rockey, J. K.....	Hardin Co., O.
Huffman, C. S....	Ashland Co., O.	Raridon, S. R.....	Ashland Co., O.
Harbison, C. M....	Butler Co., Pa.	Rigdon, R. C.....	Allen Co., O.



Strecker, Louis H.....	Ottawa Co., O.	Shulman, L.....	Mahoning Co., O.
Smith, Wm. H.....	Ottawa Co., O.	Tetlow, J. J.....	Columbiana Co., O.
Swart, Jacob.....	Washington Co., Pa.	Williams, C. G.....	Coshocton Co., O.
Seiler, Marion.....	Jefferson Co., Pa.	Wilkins, Xury.....	Mahoning Co., O.
Shoolroy, Ross.....	Ashland Co., O.	Webster, E. L.....	Ottawa Co., O.

## COLLEGE OF PHARMACY.

Andres, W. S.....	Scioto Co., O.	Jennings, Fred.....	Steuben Co., N.Y.
Bowers, H. F.....	Hardin Co., O.	Knowles Harry.....	Columbiana Co., O.
Bachmann, T. W.....	Cuyahoga Co., O.	Ly-Barker, Burdette	Kent Co., Mich.
Brinson, J. E.....	Jefferson Co., N. Y.	Lec, Ardo.....	Hancock Co., O.
Bradley, T. W.....	Mercer Co., W. Va.	Loring, F. T.....	McKean Co., Pa.
Bryant, G. L.....	Hardin Co., O.	McCall, Hill.....	Scioto Co., O.
Beaghtler, Curl.....	Mercer Co., O.	Morgan, Gomer.....	Tuscarawas Co., O.
Bottomley, Thos. H.....	Erie Co., O.	Marmon, Owen.....	Hardin Co., O.
Barton, Rachel L.....	Hardin Co., O.	McGee, P. H.....	Pike Co., O.
Crane, Wm. B.....	Wood Co., W. Va.	McHenry, Mabel.....	Morgan Co., O.
Colloredo, Wm. L.....	Stark Co., O.	Noble, John W.....	Jefferson Co., O.
Caudill, W. A.....	Morgan Co., Ky.	Purvis, Clarence.....	Paulding Co., O.
Davies, Samuel.....	Columbiana Co., O.	Payne, Guy.....	Barber Co., W. Va.
Dent, Charles C.....	Monongalia Co., W. Va.	Petrie, Kent D.....	Mercer Co., O.
Day, J. B.....	Hancock Co., O.	Porter, Walker.....	Floyd Co., Ky.
Gehring, V. M.....	Cuyahoga Co., O.	Ross, H. A.....	Clarke Co., O.
Gaertner, W. J.....	Lucas Co., O.	Rouse, E. S.....	Licking Co., O.
Gramlick, H. S.....	Ohio Co., W. Va.	Railsbach, V.....	Sullivan Co., Ind.
Horn, Fred A.....	Hamilton Co., O.	Raabe, R.....	Paulding Co., O.
Herrman, Paul.....	Allen Co., O.	Starner, John F.....	Knox Co., O.
Hyman, Noble.....	Paulding Co., O.	Shaffer, Ira H.....	Somerset Co., Pa.
Hartman, Alfred.....	Ohio Co., W. Va.	Smith, Frank R.....	Sandusky Co., O.
Higgins, Bertrand.....	Clarke Co., O.	Strenick, Grant G.....	Wayne Co., O.
Hart, Harold N.....	White Co., Ind.	Shaff, Martin.....	Henry Co., O.
Hale, Eugene B.....	Mercer Co., O.	Shroyer, R. C.....	Montgomery Co., O.
Hart, A. H.....	Erie Co., O.	Stout, J. E.....	Clermont Co., O.
Huffman, Harry.....	Putnam Co., O.	Sealover, A. F.....	Muskingum Co., O.
Henry, R. A.....	Huntington Co., Pa.	Shinkle, V. H.....	Brown Co., O.
Holder, Lillian.....	Fayette Co., W. Va.	Tweedy, G. W.....	Belmont Co., O.
Imbody, E. W.....	Marion Co., O.	Vollmer, John N.....	Erie Co., O.
Irwin, Frank W.....	Clinton Co., N. Y.	Zimmerman, H. C.....	Auglaize Co., O.

## COLLEGE OF COMMERCE.

## BUSINESS.

## Juniors.

Gravelle, H. C.....	Licking Co., O.	Rinebarger, I. D.....	Hardin Co., O.
Killian, E. E.....	Allegheny Co., Pa.	Van Vorhis, Asa.....	Logan Co., O.
Meighan, John.....	Greene Co., Pa.	Wells, Flossie.....	Hardin Co., O.

## Unclassified.

Ash, Berta.....	Hardin Co., O.	Cronbaugh, Flo.....	Hardin Co., O.
Black, Bernhard.....	Hancock Co., O.	Downs, Joe H.....	Williams Co., O.
Boyer, George.....	Shelby Co., O.	Davis, Delno.....	Hardin Co., O.
Bier, Jesse.....	Brown Co., O.	Diehl, C. F.....	Ross Co., O.
Berger, C. L.....	Warren Co., O.	Dodge, Harvey.....	Ottawa Co., O.
Boose, R. C.....	Allen Co., O.	Dodge, Harold.....	Ottawa Co., O.
Bricker, Weltha.....	Williams Co., O.	Dearbaugh, Chas. M.....	Shelby Co., O.
Brecht, Mabelle.....	Wood Co., O.	Drake, L. N.....	Cuyahoga Co., O.
Coleman, Walter.....	Greene Co., O.	Ensminger, H. L.....	Hardin Co., O.
Clouse, Ernest.....	Van Wert Co., O.	Eaton, Bessie.....	Paulding Co., O.
Craun, C. L.....	Seneca Co., O.	Green, Harry.....	Guernsey Co., O.
Cline, G. L.....	Union Co., O.	Gillespie, F. L.....	Miami Co., O.
Carter, R. L.....	Ottawa Co., O.	Gilliland, Wells.....	Van Wert Co., O.
Carroll, L. B.....	Muskingum Co., O.	Gould, H. C.....	Washington D. C.
Cahill, Chester.....	Union Co., O.	Gardner, M. L.....	Jefferson Co., O.



Houser, C. F.....	Hardin Co., O.	Rank, Helen.....	Defiance Co., O.
Higbie, M. E.....	Wood Co., O.	Schatz, Howard.....	Warren Co., O.
Hartley, A. L.....	Greene Co., Pa.	Shy, Frank.....	Pike Co., O.
Hille, Frank.....	Wood Co., O.	Sensabaugh, Chas.....	Perry Co., O.
Husted, J. D.....	Louisiana Co., Pa.	Sutton, Maude L.....	Shelby Co., O.
Konkle, Geo.....	Kent Co., Mich.	Sneeringer, Lillie V.....	Wyandot Co., O.
Kobayashi, M.....	Tokio, Japan	Telban, John, Jr.....	Washington Co., Pa.
Kephart, Russia.....	Lincoln Co., Okla.	Troy, Guy S.....	Monroe Co., Pa.
Luellan, Wm. A.....	Marion Co., O.	Templeton, Vernon.....	Hardin Co., O.
Lynch, James B.....	Randolph Co., Ind.	Turner, L. C.....	Scioto Co., O.
Massier, Ernest.....	Westmoreland Co., Pa.	Van Horn, Grant.....	Hardin Co., O.
Murray, Tom.....	Allen Co., O.	Van Horn, Myrtle.....	Hardin Co., O.
Mumma, H. A.....	Seneca Co., O.	Willeke, Fred.....	Hardin Co., O.
Meek, W. H.....	Wood Co., O.	Wollam, Edith.....	Putnam Co., O.
Orwick, Clarence H.....	Hancock Co., O.	Willeke, Carl A.....	Hardin Co., O.
Pearlman, H.....	Columbiana Co., O.	Willman, Fred.....	Lucas Co., O.
Preap, Albert.....	Kent Co., Mich.	Walborn, Earl.....	Van Wert Co., O.
Platt, Elizabeth.....	Wood Co., O.	Whitmore, Ray D.....	Defiance Co., O.
Quaintance, Hazel.....	Crawford Co., O.	Whitmore, Ferrell.....	Defiance Co., O.
Radeloff, Carl.....	Wood Co., O.	Wallingford, Donald.....	Hardin Co., O.
Randles, Guy.....	Coshocton Co., O.	Williams, Susie.....	Henry Co., O.
Rayl, Martha.....	Hardin Co., O.	Yeager, G. U.....	Hardin Co., O.

## STENOGRAPHY.

## Juniors.

Atwell, Clara L.....	Paulding Co., O.	Markwood, W. W.....	Hardin Co., O.
Brewer, Arthur.....	Hardin Co., O.	Quaintance, Hazel.....	Crawford Co., O.
Billfaldt, Jessie.....	Venango Co., Pa.	Rank, Helen.....	Defiance Co., O.
Bentley, Hazel.....	Hardin Co., O.	Weir, John.....	Hardin Co., O.
Harkless, Frances.....	Paulding Co., O.		

## Unclassified.

Boyer, George.....	Shelby Co., O.	Gervenack, John.....	Guernsey Co., O.
Brown, M. P.....	Allegheny Co., O.	Hart, E. N.....	Lorain Co., O.
Bier, Jesse.....	Brown Co., O.	Miller, R. S.....	Franklin Co., Pa.
Bentley, Fred C.....	Hardin Co., O.	McClure, Mabel.....	Paulding Co., O.
Buerkle, Margaret.....	Arkansas Co., Ark.	Nevison, Charles J.....	Lenawee Co., Mich.
Burgess, Belva L.....	Coshocton Co., O.	Pearlman, H.....	Columbiana Co., O.
Carmean, Jesse G.....	Crawford Co., O.	Telban, John, Jr.....	Washington Co., Pa.
Cronbaugh, Flo.....	Hardin Co., O.	Wollam, Edith.....	Putnam Co., O.
Ellis, H. Ray.....	Stark Co., O.		

## COLLEGE OF EXPRESSION.

Armstrong, G. B.....	Wyandot Co., O.	Johnson, Ethel.....	Greene Co., O.
Alford, J. P.....	Fairfield Co., O.	Jamison, Laura.....	Hardin Co., O.
Aldrich, C. G.....	Hardin Co., O.	Lombard, H. C.....	Putnam Co., O.
Anderson, Amy.....	Venango Co., Pa.	Lake, Chester C.....	Coshocton Co., O.
Baker, Hertha.....	Marion Co., O.	La Rue, Gertrude.....	Crawford Co., O.
Baird, Ethel.....	Knox Co., O.	Lonsinger, Celia.....	Coshocton Co., O.
Cannon, Harry.....	Fayette Co., O.	McGlinchay, Viola B.....	Franklin Co., O.
Chappell, Florence.....	Union Co., O.	McElhiney, Blanche.....	Morgan Co., O.
Carroll, Mauna M.....	Jackson Co., O.	McCormick, Jessie.....	Wood Co., O.
Craun, Rae.....	Seneca Co., O.	Nevison, Chas. J.....	Lenawee Co., Mich.
Drake, L. N.....	Cuyahoga Co., O.	Nelson, D. B.....	Jackson Co., O.
Durbin, Iva.....	Allen Co., O.	Nelson, Datha R.....	Jackson Co., O.
Fantz, Franklin.....	Allen Co., O.	Powell, Ida.....	Madison Co., O.
Frueh, Leo.....	Allen Co., O.	Riggle, C. B.....	Richland Co., O.
Garwood, Irving.....	Hardin Co., O.	Riggle, D. E.....	Richland Co., O.
Henry, Alfred.....	Indiana Co., Pa.	Remington, F. J.....	Wyandot Co., O.
Hoge, Guy B.....	Washington Co., Pa.	Stambaugh, A. A.....	Hardin Co., O.
Jennings, May.....	Allen Co., O.		



Skaggs, J. C.....	Licking Co., O.	Taylor, Elmer A....	Iroquois Co., Ill.
Smith, Elma.....	Morrow Co., O.	Townsend, M. W....	Highland Co., O.
Stahl, Pearl A. M....	Wood Co., O.	Trainor, Sada.....	Morrow Co., O.
Seig, Laura.....	Hardin Co., O.	Wight, Alta.....	Putnam Co., O.
Shoull, Lona.....	Seneca Co., O.	Weber, Alta M.....	Jackson Co., O.
Smith, Emma H....	Franklin Co., O.	Yeoman, Ollie.....	Madison Co., O.

## COLLEGE OF MUSIC.

## Voice.

Brown, Mabel.....	Hardin Co., O.	McCoppin, George....	Hardin Co., O.
Beckham, Bess.....	Union Co., O.	McDowell, Don.....	Hardin Co., O.
Brooks, Olive.....	Hardin Co., O.	Maglott, D. S.....	Hardin Co., O.
Barnholt, Olie.....	Richland Co., O.	Meyer, W. W.....	Hardin Co., O.
Burr, Mrs. Jennie....	Lorain Co., O.	McMillen, L. A....	Delaware Co., O.
Baldwin, B. B.....	Putnam Co., O.	Myers, Chas. O.....	Putnam Co., O.
Coon, Olivia.....	Rock Island Co., Ill.	Miller, Anna Rose...	Hardin Co., O.
Carroll, L. B.....	Muskingum Co., O.	Mann, Grace.....	Hardin Co., O.
Coover, Hazel.....	Ross Co., O.	Mahan, Mamie.....	Hardin Co., O.
Dapp, J. S.....	Bergen Co., N.J.	Mollenauer, Clara	
Dunker, Benj.....	Darke Co., O.		Washington Co., Pa.
Dickey, Anna.....	Armstrong Co., Pa.	Miller, Alma.....	Hardin Co., O.
Donovan, Beatrice...	Hardin Co., O.	Mollenauer, Gertrude	
Dunlap, Grace.....	Hardin Co., O.		Washington Co., Pa.
Dauer, Amelia.....	Wood Co., O.	Morrow, Mayme.....	Hardin Co., O.
Ernsberger, D. D.....	Hardin Co., O.	Myers, Myrtle.....	Hardin Co., O.
Ernsberger, Paul....	Hardin Co., O.	Newcomer, Mrs. W. W.	
Eberhart, Meda.....	Hardin Co., O.		Hardin Co., O.
Ewing, Mrs. D. D.....	Hardin Co., O.	Oelberg, Mrs. Phil..	Wyandot Co., O.
Gilbert, Leota.....	Hardin Co., O.	Phillips, Golda D....	Greene Co., Pa.
Greer, Mrs. L.....	Hardin Co., O.	Phillips, Kittie.....	Hardin Co., Pa.
Hocker, Albert....	Dauphin Co., Pa.	Preston, Eva.....	Hardin Co., O.
Hothorn, C. A....	Tuscarawas Co., O.	Parker, Mary.....	Allen Co., O.
Hickernell, Bessie...	Hardin Co., O.	Parrett, Edna.....	Putnam Co., O.
Horn, Iris.....	Hardin Co., O.	Parrett, Zella.....	Putnam Co., O.
Hays, Mildred.....	Licking Co., O.	Reynolds, Fern.....	Huron Co., O.
Hagerman, Hazel....	Hardin Co., O.	Stout, Marion.....	Hardin Co., O.
Hindall, De Britto...	Hardin Co., O.	Stanton, Mrs. F. W..	Hardin Co., O.
Irwin, Nelle.....	Allen Co., O.	Sleepy, Mabel....	Montgomery Co., O.
Johnson, W. L.....	Carroll Co., O.	Shook, Meda.....	Wyandot Co., O.
Johnson, Iva.....	Hardin Co., O.	Tickle, Margaret... Van Wert Co., O.	
Jones, Florence.....	Hardin Co., O.	Tuttle, Minnie.....	Lake Co., O.
Johnston, May.....	Allen Co., O.	Van Eman, Fern.....	Allen Co., O.
Kennedy, Olive E....	Marion Co., O.	Vernon, Anna.....	Guernsey Co., O.
King, Bertha.....	Hardin Co., O.	Vandivier, Eva.....	Allen Co., O.
Klinger, Mrs. T. J....	Hardin Co., O.	Wolfson, Earl.....	Hardin Co., O.
Lombard, H. C.....	Putnam Co., O.	Windle, Joseph.....	Putnam Co., O.
Littleton, Charles...	Hardin Co., O.	Weaver, Mrs. W. W..	Hardin Co., O.
Lanker, Faeirie....	Wyandot Co., O.	Welsh, Margaret....	Hardin Co., O.
La Rue, Gertrude...	Crawford Co., O.	Wisley, Carrie.....	Hardin Co., O.
Lyman, Hattie L....	Mercer Co., Pa.	White, Gladys.....	Hardin Co., O.
Miller, Lloyd.....	Allen Co., O.	Yambert, Dale.....	Wyandot Co., O.
Motter, P. P.....	Hardin Co., O.	Zellar, Della.....	Hardin Co., O.
McMillen, H. W.....	Hardin Co., O.		

## Piano.

Armstrong, Lovenia...	Greene Co., O.	Burt, Claribel.....	Hardin Co., O.
Alter, Ollie.....	Ross Co., O.	Beckham, Bess.....	Union Co., O.
Anselmet, Alzora....	Marion Co., O.	Bonnette, Delilah...	Union Co., O.
Anderson, Amy.....	Venango Co., Pa.	Brenneman, Nellie...	Allen Co., O.
Allton, Pearl.....	Shelby Co., O.	Baughman, Lydia...	Hancock Co., O.
Anspach, Donna.....	Hardin Co., O.	Carroll, L. B.....	Muskingum Co., O.
Boyer, Marie.....	Lucas Co., O.	Crowl, Marie.....	Beaver Co., Pa.
Betz, Lela.....	Hardin Co., O.	Carter, Olah.....	Ashland Co., O.



Collins, Ethel.....	Hardin Co., O.	Mollenaue, Gertrude	
Craig, Della.....	Adams Co., Ind.		Washington Co., Pa.
Closson, Etta.....	Paulding Co., O.	Morrow, Gertrude....	Hardin Co., O.
Dwinnell, Phill.....	Delaware Co., O.	Parrett, Zella.....	Putnam Co., O.
Divan, Gertrude....	Coshocton Co., O.	Pontius, Erma.....	Wayne Co., O.
Dickey, Anna.....	Armstrong Co., Pa.	Powell, Ada.....	Stark Co., O.
Donovan, Beatrice..	Hardin Co., O.	Phillips, Golda D....	Greene Co., Pa.
Downing, Myrtle...	Wyandot Co., O.	Porter, Sadie M....	Greene Co., Pa.
Davis, Myrl.....	Richland Co., O.	Pore, Fern.....	Hancock Co., O.
Dean, Edna.....	Putnam Co., O.	Phillips, Lillie.....	Hardin Co., O.
Evans, Mrs. Alta....	Hardin Co., O.	Parker, Mary.....	Allen Co., O.
Ewing, Eugene.....	Hardin Co., O.	Riggle, Emma.....	Putnam Co., O.
Evans, L. H.....	Tucker Co., W. Va.	Reynolds, Fern.....	Huron Co., O.
Evans, Margaret....	Putnam Co., O.	Roop, Effie.....	Wood Co., O.
Ewing, Mrs. D. D....	Hardin Co., O.	Roof, Mabel.....	Carroll Co., O.
Fischer, Anna C....	Pickaway Co., O.	Stephens, Clara B...	Greene Co., Pa.
Forbes, Jennie.....	Lake Co., O.	Smith, Elma.....	Morrow Co., O.
Garwood, Florence..	Hardin Co., O.	Smith, Paul.....	Hardin Co., O.
Gottschall, Rhea....	Mercer Co., O.	Smith, Harriet.....	Hardin Co., O.
Garl, Goldie.....	Summit Co., O.	Stitt, Isabelle.....	Belmont Co., O.
Hays, Samuel.....	Mifflin Co., Pa.	Smith, Mary.....	Hardin Co., O.
Howell, Mabel.....	Auglaize Co., O.	Seidner, Uarda.....	Hardin Co., O.
Hughes, Norma.....	Holmes Co., O.	Snyder, Beatrice....	Hardin Co., O.
Irwin, Ethel.....	Mahoning Co., O.	Schope, Carrie.....	Hardin Co., O.
Irwin, Nelle.....	Allen Co., O.	Schillinger, Inez....	Miami Co., O.
Johnston, Iva C....	Hardin Co., O.	Straub, M. C.....	Blaire Co., Pa.
Jones, Ethel.....	Hardin Co., O.	Tickle, Margaret... Van Wert Co., O.	
Johnston, Elva.....	Allen Co., O.	Trainer, Sada.....	Morrow Co., O.
Kephart, Flossie....	Hardin Co., O.	Tuttle, Daisy.....	Hardin Co., O.
Kibler, Eugene.....	Crawford Co., O.	Tuttle, Minnie.....	Lake Co., O.
Kurtz, Estah F....	Hardin Co., O.	Van Eman, Ferne....	Allen Co., O.
Lanker, Faeirle....	Wyandot Co., O.	Vanorsdall, Luella..	Hardin Co., O.
La Rue, Gertrude..	Crawford Co., O.	Vester, Lillian.....	Mercer Co., O.
Laibe, Rose M.....	Putnam Co., O.	Vandivier, Eva.....	Allen Co., O.
Leonard, Rowena...	Clinton Co., O.	Weaver, Evelyn.....	Hardin Co., O.
Leech, Mary.....	Richland Co., O.	Wood, Anna.....	Hardin Co., O.
Maglott, D. S.....	Hardin Co., O.	Wingate, Flossie....	Allen Co., O.
Miller, Anna Rose...	Hardin Co., O.	Wells, Mary.....	Hardin Co., O.
McCormick, Bertha..	Indiana Co., Pa.	Wight, Alta.....	Putnam Co., O.
Mosman, Oddie....	Wyandot Co., O.	Wetherill, Bonnie B...	Allen Co., O.
McGuffy, Elizabeth..	Hardin Co., O.	Wilson, Edith.....	Hardin Co., O.
McKinstry, Iva.....	Hardin Co., O.	Willis, Helen.....	Hardin Co., O.
Mollenaue, Clara		Yeoman, Ollie.....	Madison Co., O.
	Washington Co., Pa.	Zehner, Bertha.....	Hardin Co., O.
McElroy, Ethel.....	Hardin Co., O.		

## Violin.

Barton, L. Erskine...	Hardin Co., O.	Millar, Nettie.....	Hardin Co., O.
Briggs, Grace.....	Hardin Co., O.	Parrett, Edna.....	Putnam Co., O.
Cunningham, Tom....	Hardin Co., O.	Rogers, James.....	Stark Co., O.
Church, John S. Wetzel Co., W. Va.		Rogers, Homer.....	Putnam Co., O.
DeWolfe, Friedley H. Licking Co., O.		Roberts, Ruth L....	Paulding Co., O.
Ewing, Frances F....	Hancock Co., O.	Rhonemus, C. E.....	Hardin Co., O.
Iams, Charles....	Washington Co., Pa.	Snyder, Lowell.....	Hardin Co., O.
Johnson, Milton....	Hardin Co., O.	Weaver, Clare.....	Hardin Co., O.
Johnston, Rowena...	Hardin Co., O.	Walborn, Earl.....	Van Wert Co., O.
Mulcahey, Ned.....	Union Co., O.	Young, Lynn.....	Hardin Co., O.
May, Vergil.....	Allen Co., O.	Zellar, Walter.....	Hardin Co., O.

## Pipe Organ.

Dearth, I. G.....	Hardin Co., O.	Jenner, Vesta.....	Hardin Co., O.
Degler, Leila.....	Hardin Co., O.	Wetherill, Bonnie B...	Allen Co., O.



**Harmony.**

Ater, Ollie.....	Ross Co., O.	McElroy, Hazel.....	Hardin Co., O.
Anselment, Alzora...	Marion Co., O.	McCormick, Bertha...	Indiana Co., Pa.
Baldwin, B. B.....	Putnam Co., O.	Mosman, Oddie.....	Wyandot Co., O.
Crowl, Marie.....	Beaver Co., Pa.	Pontius, Erma.....	Wayne Co., O.
Dickey, Anna.....	Armstrong Co., Pa.	Phillips, Golda D...	Greene Co., Pa.
Evans, Margaret.....	Putnam Co., O.	Porter, Sadie M....	Greene Co., Pa.
Evans, Mrs. Alta.....	Hardin Co., O.	Pore, Fern.....	Hancock Co., O.
Fischer, Anna C....	Pickaway Co., O.	Phillips, Lillie.....	Hardin Co., O.
Hickernell, Bessie...	Hardin Co., O.	Reynolds, Fern.....	Huron Co., O.
Howell, Mabel.....	Auglaize Co., O.	Roberts, Ruth L....	Paulding Co., O.
Irwin, Nelle.....	Allen Co., O.	Roop, Effie.....	Wood Co., O.
Johnston, Iva C....	Hardin Co., O.	Smith, Elma.....	Morrow Co., O.
Jones, Ethel.....	Hardin Co., O.	Seidner, Uarda.....	Hardin Co., O.
Johnston, Elva.....	Allen Co., O.	Stout, Marion.....	Hardin Co., O.
Kennedy, Olive E....	Marion Co., O.	Van Eman, Ferne....	Allen Co., O.
Kephart, Flossie...	Hardin Co., O.	Wood, Anna.....	Hardin Co., O.
Lombard, H. C.....	Putnam Co., O.	Wight, Alta.....	Putnam Co., O.
La Rue, Gertrude...	Crawford Co., O.		

**Public School Music.**

Beers, Cora A....	Warren Co., N. J.	Evans, L. H.....	Tucker Co., W. Va.
Dickinson, Bessie...	Hardin Co., O.		

**Musical History.**

Baldwin, B. B.....	Putnam Co., O.	McElroy, Hazel.....	Hardin Co., O.
Dickey, Anna.....	Armstrong Co., Pa.	McCormick, Bertha...	Indiana Co., Pa.
Hickernell, Bessie...	Hardin Co., O.	Pontius, Erma.....	Wayne Co., O.
Howell, Mabel.....	Auglaize Co., O.	Pore, Fern.....	Hancock Co., O.
Irwin, Nelle.....	Allen Co., O.	Reynolds, Fern.....	Huron Co., O.

**Theory of Music.**

Crowl, Marie.....	Beaver Co., Pa.	Kennedy, Olive E....	Marion Co., O.
Fischer, Anna C....	Pickaway Co., O.	Lombard, H. C.....	Putnam Co., O.
Hocker, Albert, Jr.	Dauphin Co., O.	Pontius, Erma.....	Wayne Co., O.
Hickernell, Bessie...	Hardin Co., O.	Pore, Fern.....	Hancock Co., O.
Hays, Mildred.....	Licking Co., O.	Roberts, Ruth L....	Hardin Co., O.
Irwin, Nelle.....	Allen Co., O.	Roop, Effie.....	Wood Co., O.
Johnston, Elva.....	Allen Co., O.	Wight, Alta.....	Putnam Co., O.

**Counterpoint.**

Crowl, Marie.....	Beaver Co., Pa.	Mahan, Mamie.....	Hardin Co., O.
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**COLLEGE OF FINE ARTS.**

Kissinger, M. C....	Indiana Co., Pa.	Staggs, Ralph....	Delaware Co., Ind.
Klinger, Delia.....	De Kalb Co., Ind.	Wilson, Edith.....	Hardin Co., O.
Leaning, Pearl.....	Wood Co., O.		

**Water Color Painting.**

Beaver, May.....	Logan Co., O.	Kneisley, Opal.....	
Conkle, Elizabeth...	Hardin Co., O.	Leaning, Pearl.....	Wood Co., O.
Chaffee, Elsie.....	Ashtabula Co., O.	Raabe, Augusta.....	Putnam Co., O.
Cavanaugh, Eva....	Wyandot Co., O.	Snider, Gladys.....	Auglaize Co., O.
Kurtz, Estah.....	Hardin Co., O.	Tschumy, H. L.....	Lucas Co., O.
Klinger, Delia.....	De Kalb Co., Ind.		

**Public School Art.**

Bruning, Marie.....	Wood Co., O.	Klinger, Delia.....	De Kalb Co., Ind.
Foulke, Oscar.....	Richland Co., O.	Shiple, V.....	Wood Co., O.
Heitzman, Maud....	Putnam Co., O.	Stultz, Pauline....	Hancock Co., O.
Kirkpatrick, Sadie E.	Hardin Co., O.	Troyer, Minnie...	Tuscarawas Co., O.



**Modelling.**

Klinger, Delia.....De Kalb Co., Ind.    Leaming, Pearl.....Wood Co., O.

**Design and Wash Drawing.**

Kissinger, M. C.....Indiana Co., Pa.    Staggs, R.....Delaware Co., Ind.  
Leaming, Pearl.....Wood Co., O.    Tschumy, H. L.....Lucas Co., O.

**Crayon.**

Leaming, Pearl.....Wood Co., O.    Yambert, Ferne....Wyandot Co., O.

**Special Drawing.**

Beaver, May.....Logan Co., O.    Yambert, Ferne....Wyandot Co., O.  
Kurtz, Estah.....Hardin, Co., O.

**Sketching.**

Howey, Hattie.....Lucas Co., O.    Leaming, Pearl.....Wood Co., O.



## SUMMARY.

## HONORARY DEGREES 7

## College of Liberal Arts.

Master Degrees.....	11	Post Graduates.....	8
GRADUATES		UNDERGRADUATES	
Classical .....	3	Classical .....	53
Literature .....	7	Literature .....	17
Scientific .....	34	Scientific .....	198
English .....	7	English .....	21
Teachers .....	18	Teachers .....	504
Common School.....	2	Biblical .....	2
		Preparatory .....	142
		Special .....	51

## College of Engineering.

GRADUATES		UNDERGRADUATES	
Civil .....	56	Civil .....	147
Electrical .....	16	Electrical .....	78
Mechanical .....	2	Mechanical .....	23
		Architecture .....	13
		Mining .....	2

## College of Law.

Graduates .....	16	Undergraduates .....	38
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## College of Pharmacy.

Graduates .....	27	Undergraduates .....	62
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## College of Commerce.

GRADUATES		UNDERGRADUATES	
Business .....	20	Business .....	80
Stenography .....	6	Stenography .....	26

## College of Expression.

Graduates .....	12	Undergraduates .....	47
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## College of Music.

GRADUATES		UNDERGRADUATES	
Voice .....	2	Voice .....	84
Piano .....	4	Piano .....	103
Organ .....	1	Violin .....	22
Public School Music.....	4	Organ .....	4
		Harmony .....	35
		Public School Music.....	3
		Theory of Music.....	10
		Musical History.....	14
		Counterpoint .....	2

## College of Fine Arts.

Graduates .....	3	Undergraduates .....	37
-----------------	---	----------------------	----



## INDEX.

Admission by Certificate.....	30	Violin.....	113
Admission, Requirements for.....	21	Courses, Description of.....	37
Aesthetics, Course in.....	52	Debating League.....	20
Aid to Students.....	23	Debating Societies.....	20
Algebra, Courses in.....	47	Degrees.....	19
Announcements.....	3	Economics, Course in.....	52
Architecture, Course in.....	75	Electives.....	36
Arrival, What to do on.....	24	Elocution, Instruction in.....	122
Art, Expenses in School of.....	129	Employment Bureau.....	60
Astronomy, Course in.....	49	English Literature, Courses in.....	42
Biological Sciences.....	39	Entrance, Time of.....	17
Biology, Course in.....	39	Examinations, Time of.....	52
Board and Rooms, Cost of.....	24	Expenses	
Botany, Course in.....	39	Board and Rooms.....	24
Buildings.....	18	Tuition in	
Business Course.....	86	College of Commerce.....	93
Calendar.....	7	College of Engineering.....	81
Certificate, Admission by.....	30	College of Law.....	101
Chemistry, Courses in.....	51	College of Liberal Arts.....	53
Christian Evidences, Course in.....	38	College of Music.....	118
Civics, Course in.....	52	College of Pharmacy.....	109
Civil Engineering, Course in.....	69	Normal School.....	61
Colleges and Schools		School of Fine Arts.....	129
Commerce.....	83	School of Expression.....	126
Engineering.....	65	Equipment, Material.....	18
Law.....	95	Ethics, Course in.....	52
Liberal Arts.....	27	Evd. of Christianity, Course in.....	38
Music.....	110	Faculty of the University.....	10
Pharmacy.....	102	Faculty of College of Commerce.....	84
Normal.....	55	Faculty of Engineering.....	66
Fine Arts.....	127	Faculty of Law.....	96
School of Expression.....	121	Faculty of Liberal Arts.....	28
Collegiate Curricula.....	34	Faculty of Music.....	110
College Year.....	7	Faculty of Pharmacy.....	102
Commencement week.....	7	Faculty of Normal School.....	56
Committees of		Faculty of School of Fine Arts.....	127
Faculty.....	13	Faculty of School of Expression.....	121
Trustees.....	9	Fees, Laboratory.....	53
Common School Course.....	58	French Courses.....	49
Conference Visitors.....	9	Geology, Courses in.....	44
Curricula		Geometry, Courses in.....	48
Architecture.....	75	German, Course in.....	49
Biblical.....	37	Government.....	21
Business.....	86	Graduates Student, Roll of.....	135
Civil Engineering.....	69	Greek, Courses in.....	44
Classical.....	34	Historical Sketch.....	15
Common School.....	58	History, Courses in.....	45
Counterpoint.....	114	Italian, Courses in.....	50
English.....	35	Laboratories	
Electrical Engineering.....	71	Biological.....	18
Harmony.....	114	Chemical.....	18
Law.....	99	Pharmical.....	19
Literature.....	35	Physical.....	18
Mechanical Engineering.....	72	Laboratory Fees.....	53
Mining Engineering.....	74	Latin, Courses in.....	46
Municipal and Sanitary Eng.....	73	Law, College of.....	95
Pharmacy.....	108	Admission.....	97
Piano Forte.....	113	Course of Instruction.....	99
Pipe Organ.....	114	Degrees.....	97
Preparatory Subjects.....	30	Faculty.....	96
Public Speaking, Clergymen's.....	123	Tuition.....	101
Public Speaking, Entertainer's.....	122	Libraries.....	19
Public Speaking, Orators'.....	123	Library, Committee on.....	9, 13
Scientific.....	34	Literary Societies.....	20
Stenography.....	91	Literature, Courses in.....	42
Teachers.....	59	Loan Funds.....	23



Location of University.....	15	Requirements for Admission....	29
Logic, Courses in.....	51	Reports to Parents .....	25
Math. and Astron., Courses in ..	47	Rhetoric, Courses in .....	41
Material Equipment .....	18	Schedule of Classes .....	80
Matriculation .....	24	Schedule of Electives.....	36
Military Department.....	130	Senate, Student.....	21
Modern Languages, Courses in..	49	Sociology, Courses in .....	52
Moot Courts .....	99	Spanish, Courses in.....	50
Moral and Religious Culture ....	22	Stenography .....	90
Museums .....		Students, Alphabetical List of ..	136
Biological .....	18	College of Commerce.....	138
Geological .....	18	College of Engineering .....	136
Music, School of.....	110	College of Law .....	137
Courses .....	114	College of Liberal Arts .....	136
Expenses .....	118	College of Music .....	138
Graduation Requirements.....	111	College of Pharmacy .....	137
Normal School.....	55	College of Fine Arts .....	139
Object of University.....	17	College of Expression.....	138
Opening, Time of .....	7	Summary of.....	157
Oratorical and Debating Soc's...	20	Summer School .....	60
Oratory, Instruction in .....	122	Trigonometry, Courses in .....	48
Oratory, Prizes.....	20	Term Plan .....	54
Penmanship.....	92	Text Book List.....	63
Pharmacy, Courses in .....	108	Trustees, Board of.....	8
Philosophy, Courses in .....	52	Committees of.. ..	9
Physics, Courses in.....	50	Officers of .....	8
Physiology .....	40	Typewriting Department.....	92
Preparatory Requirements .....	30	Unique Features of O. N. U.....	17
Psychology, Courses in.....	52	What To Do On Arrival.....	24
Prizes, Military.....	131	Voice Culture .....	112
Refunding.....	54	Y. M. C. A.....	22
Registration.....	25	Y. W. C. A.....	23
Religious Culture .....	22	Zoology, Courses in.....	39



